

## APPENDIX B: AMINO ACID SEQUENCES

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> RXA00009 (1-900, translated) 300 residues
MAFGYVLREA VRGMGRNVTM TIALIITTSI SLALLATGFL VTNMTDRTKD IYLD RVEVMI
QLDEDT SAND PECTAESCTE VRDVLEGLDG IDSITYRSRE ASYERFVEVF KDTDPVLVAE
TSPDALPAAF HVRLEDPLAV EILDPVRDLP QVSNVIDQVD DLRGATENLD SIRNATFLIA
AVQVLASIFL IANMVQIAAF NRREETEIMR IVGASRFYTQ GPFVFEAILS TLIGAVFAVG
ALFLGKELVI DKALRGLYDS QLIAPVTTTD IWLVAPIISG IGVVIAGIIA QLT LRFYVRK

> RXA00010 (1-687, translated) 229 residues
VITFENVTKN YKTSTRPALD NVSLHIEKGE FVFLIGPSGS GKSTFLRLMT REENVSSGSL
TLADFQVNKL RGTQVNKL RQ RIGYVFQDFR LLKNKNVYDN VAFAL E VIGK KDKIQELVP
ETLEMVGLAG KANRMPNELS GGEQQRVAIA RAFVNRPLVL LADEPTGNLD PDT SDEIMIL
LNRINRLGTT VVMSTHNART VDDMRRRVIE LQLGKLVRDD AHGVY GEMR

> RXA00024 (1-945, translated) 315 residues
MEHGVTVIK G TEFDVFP LNL GGNTFGWTSN REQTF AVLDA FVAAGGNFVD TADSYSAWVE
GNEGGESERE LGAWIKERGA DKLI IATKSG ALEPVAGRSR EATFKAVEGS LERLGVESID
IFYHYHDEA VSIDEQVAIA NDLIAQ GKIK HLALS NYSAE RLAEFF E KSV GTPAQ PVALQ
PHYNLVS RKA YEENVQPLAE KHGVAVFPYF ALAAGLLTGK YTSKEDISGK ARAGQLDRYA
SDEAFVAVTE LRAVADELGV APTTVALAWL VAHGVTAPIA SVSKVEQLKD LMAVKDVELS
AEQLARLDKV SEPFA

> RXA00026 (1-1386, translated) 462 residues
MSTDNFSPQV PSTVYLDYME QGIAARKAEA ESNASTKGES PDYPGQQVIW RLIQEAGESL
RDELRTLAFT LHDHPEEAFE EVFATEEITK LLQNHGFVEQ SGVYGVKTAL ETSFETPGYD
PAQHPSIAIL AEYDALPEIG HACGHNI IAA AGVGAFLAVT NMIKTA EVKG VDHLDFEGRI
VLLGTPAE EG HSGKEYMIRN GAFDGIDASI MMHPFGFDLA EHVWVGRR TM TATFHGVS AH
ASSQPFMGKN ALDAASLAYQ GFGVLRQQMP PSDRLHAIIT EGGNRPSIIP DTATMSLYVR
SLLPEALKDI SKRVDDVDLG AALMAGVGVE KQWDVHPASL PVRNNHVLAR RWAKTQNLRG
RTALSEGILP DTLAASTDFG NVSHLVPGIH PMVKISPENV ALHTKEFAAY ARTEEAIDAA
VDAAIGLAQV AVDALADPQM LIDATLEFTN SGDVLKVG DY LA

> RXA00048 (1-1659, translated) 553 residues
MNH DSECDLD NVVQFTIQEG LDPMS PNNFD TDVCIVGGGP TGTL LAVLLG QKGHRVTILE
KWPTFYERPR AVTFDHEIAR ILGYIGIDSE NDEAIDYHSD SYDWKNAAGE TLLEV DWTS M
TDSGWRTRYW FYQPELEKRL RDLAL TMDFV DIRCGFTAVG LSQDENS AII HGI VTDTPEN
IPADAQREDI RAKYVIGADG ANSFVRNSLG LEMNDLGYFF DWLILD LKPT QDIDYGT DHW
QLCDPKRPTT IVPGGPGRRR WEFMALPGED LKELASEESA WNLLEP W DVT PGKAILERSA
VYRFQARWAQ EWRSGRALIA GDA AHLMP PF AGE GMCAGLR DSLALAWRLD LVLSGKSDDA
LLDTYGEERR EHVHYIDFS MDLGNVICIT DEDEARLRDE RMIKELEAQD GVPVNTDVAH
LGPGIWDKDS SHGGELAKQG IVEYQGRKAR FDDAVGRGWA VLGLNTDPRE VLDEDSLVAL
DAIGAIVESV GDATSAVL DV EGLYTRWLKE AGATFIITRP DFYVYSTAVD AEQLQTQIKQ
LSDLLHLNSV VGA

> RXA00070 (1-432, translated) 144 residues
VGINRISQGS APKLGVRSTR QRKAVIDVLE EIDNFASAKE IHHELSTREH NVGLTTVYRT
LQSLADIGAV DVLTVTGGET LYRQCHDEGH HHHLVCTNCG RTVEIDGGPV ETWAQE IATK
NGFALSSHEA EIFGLCADCK EKV T

> RXA00072 (1-441, translated) 147 residues
MSFQLVNALK NTGSVKDPEI SPEGPRTTTT LSPEVAKHNE ELVEKHAAAL YDASAQEILE
WTAEHAPGAI AVTLSMENTV LAELAA RHP EADFLFLDTG YHFKETLEVA RQVD ERY SQK
LVTALPILKR TEQDSIYGLN LYRSNPA

> RXA00078 (1-414, translated) 138 residues
MKADLTPYRQ FNGNAKEAME FYQTVFGGEL QMMPFSAMHS EEEVGGDGEK IMHAELVVDG
QKLLFASDIP RVMQRMKGED TPLSLTGGA E LEE EI RGYWE KLSEGGTVTM PLEAVPWGAV
YGALED RFGT HWMFNIGG

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> RXA00088 (1-1014, translated) 338 residues  
 MVKNRFLVLS IATVAALALV GCSSTDSTSS ESSSAAESTA AASTLTIEDN HGTEGISLP  
 EGVAATDNRA FELLDRWGV LVAAPLQLVP FTVTGYTEEG GVANLGSHRE PDLEALAAAQ  
 PSLIINGQRF AQYYDDIAL NPDA TVVELD PRDGEPLDQE LIRQAETLGE IFGEEEDAAK  
 IVADFESALE RAKTAYAAIS DQTVMAVNV GGNIGYIAPS VGRTYGPIFD LVGLTPALEV  
 GNASSDHEGD DINVEAIAAA NPD LILVMDR DGGTSTRNEA DYVP AEQIVS DNEALANVKA  
 VTDGYVYYAP ADTYTNENII TYTEILNGMA DMFEKAAQ

> RXA00100 (1-600, translated) 200 residues  
 MILDWVISIM EALGAVGVGV AVFLENVFP IPSEVVLPLA GFTTTQGDIN VWAALMWSVI  
 GSVSGAFLLY GLGRSIGAAR LRQVADWWL VDATDVKSL SWFEKYGKYS VFFGRLVPGV  
 RSLISIPAGV DKMNPVLFV LTAVGSTIWN AVLIWTGVWL GAEWETVSMW FESYSTIIYV  
 GIALIXAYVL FGLVRRRIKT

> RXA00111 (1-993, translated) 331 residues  
 MAFFSFSTSP LTRLIPGSRS KATGAKRRLS STIASIERSP GIIALDGPFT HDHVSVRGIR  
 LHLAEAGSPT KPLVLLIHGA FGGWYDYREV IGPLADAGFH VAAIDLRGYG MSDKPPTGYD  
 LRHAAGELSS VIAALGHDDA LLVGSDTGAS IAWAIASMP ERVRGLISLG AIHPLDMRRA  
 IRRKPHLHVS DLSRLAPFRL PSFLHNLFFH GITSEARREI VNNTSSSYQR SNAFTETVLL  
 RKKALSIDHT ITPIIRTNRY LVGSIPSKTV SAPVWLLRTN TRRWEHLANT ARTRTTGPFT  
 TIAIPGGYEL PYLENPSEFA ATIAEFARTT F

> RXA00112 (1-1191, translated) 397 residues  
 LSPSLVDDAV IVLVMAFALW GGWRQGAFTS LLSTVGVVSG LVVGAAAAPF VMGLTDSTAL  
 RFLLAIGTVV LLVGLGNLIG AHLGAAIRDN IKFRSSRTLD SGLGAIFQVL ATLIVVWLVA  
 IPLATGLPGT VASGIRDSRI LGFVDKYTPQ GLDTLPSKIA AMLSESGLPP LISPTGGSS  
 VEVDAP EINV TNVDLVEAMR PSVIHVMGDA QECRRRLMGS GFVASPDYV TNAHV VAGTS  
 TVSLDTMIGT RSAEVV FYPD NLDIAVLYSP DLGLDPLPWA STPLDTGDEA IVMGFPQSGP  
 FNASPARVRE RIMITGSNIY ANGQHEREAY SVRGSIQSGN SGGPMTNEMG EVGVVFGAA  
 IDGSDTGYVL TAEVQERIG DITALTQPV D TMQCAVS

> RXA00133 (1-813, translated) 271 residues  
 MLFVRRLTSL KTATGIPVTM FATVLQDNRL QITQWVGLRT PALQNLVIEP GVGVGGRVVA  
 TRRPVGVSDY TRANVISHEK DSAIQDEGLH SIVAVPVIVH REIRGVLYVG VHSAVRLGDT  
 VIEEVTMTAR TLEQNLAINS ALRRNGVPDG RGSLKANRVM NGAWEQVRS THSKLRMLAN  
 RVTDEDLRRD LEELCDQMTV PVRIKQTTKL SARELDVLAC VALGHTNVEA AEEMGIGAET  
 VKSYLRVSMR KLGAHTRYEA VNAARRIGAL P

> RXA00135 (1-1254, translated) 418 residues  
 VKDKFLVTGG AQLQGA VKY GAKNSVLKLM AAALLAEGTT TLTNCPEILD VPLMRDVLVG  
 LGCDVTIDGS TVTITTPAEL SSNADFAVT QFRASVCVLG PLTARCGRAV VSLPGGDAIG  
 SRPLDMHQSG LEKLGATTRI SHGAVVAEAE KLVGANITLD FPSVGATENI LTASVMAEGR  
 TVLDNAAREP EIVDLCRMLR SMGANIEGEG SPPITIEGVE KLTPTQHEVI GDRIVAGTWA  
 YAAAMTRGDI TVGGIAPRYL HLPLEKLKIA GAKVETYENG FRVQMDKQPE ATDYQTLPPF  
 GFPTDLQPMA IGINAVSNGT SVITENVFES RFRFVDEMLR LGADANVDGH HVVIRGIEQL  
 SSTSVWSSDI RAGAGLVLA L CADGVTEVH DVFHIDRGYP NFVENLQKLG ATIERVSS

> RXA00137 (1-1089, translated) 363 residues  
 MALADTRFAT RRRALAAKLA AQRIDSILVT SPIHVRYLSG FTGSNGALIV NKDLSAQICT  
 DGRYTTQIAE EVPDIEALIE RASATTLLAQ VEGPRRIAIE AAQTTLDQLD SLREATQEDV  
 ELIPVSGVVE SIRLTKDSFE LDRLRDVAAL ASQAFEDLLA AGELAEGRSE RQVAADLEYR  
 MRLPGAERPS FDTIVASGPN SAKPHHGAGD RILQRGDLVT IDFGAHARGF NSDMTRTLVM  
 GEAGEFEAEI YDIVLRSQLA GVEAAYSGAN LFDIDAACRK IIEDAGYGEY FVHSTGHGIG  
 LEVHEAPSAS KTSQGVLETG STLTIEPGIY VPGKGGVRIE DTLIITSGAP EIITKVS KDL  
 IVV

> RXA00139 (1-711, translated) 237 residues  
 LIEQE QREQN VSERRQDYKR HGSRYKARM AVDILFEAES RDVDPVAIID DRHKLARDTN  
 PIVAPVAEYT ETIINGVAVE LDTLDVFLAE HIAETWTLGR LPSVDRAILR VASWEMIYNA  
 DVPVTTAIVE AVEIASEYSG DKSSAYINAT LDAMASKVET LRERANPEA VLAEASESLD

DAPVAPWDDSDALDDSDDEF EAVDAAEVFE AEETVEVSEV AEDSEVSKVS EEKADES

> RXA00143 (1-1482, translated) 494 residues

MVWDWHTRKG AVARLTPPFI PLNPITQAER LADGTTIFSL PAGLKWVARH DLSGFLNGSR  
FTDVCLTAPV KALANWRHVH NFVDQDGGTL ITDSVSTRLP ASTLTGMFAY RQTQLIEDLK  
FLSRTSTLFD GSPLTVAITG SRGLVGRALT AQLQTGGHEV IQLVRKEPKP GQRFWDPLNP  
ASDLLDGADV LVHLAGEPIF GRFNDSHKEA IRESRVLPTK FLAELVAEST QCTTMISASA  
VGIFYGHDRGD EILTEEESG DDFLAEVCRD WEHATAPASD AGKRVAFIRT GVALSGRGGM  
LPLLKTLFST GLGGKFGDGT SWFSWIAIDD LTDIYYRAIV DAQISGPINA VAPNPFVSND  
MTKILATSMH RPAFIQIPSL GPKILLGSQG AEELALASQR TAPAALENLS HTFRYTDIGA  
AIAHELGYEQ LADFAQQQEI EAERKQERAE LKAAKKIAKK APVLEESPTN LEDPEEVEQS  
ILSSILNFRR KRND

> RXA00152 (1-1296, translated) 432 residues

MTGLILAIIV LVEFVAVVIK SIALIPQGEA AVIERLGSYT RTVSGGLTLL VPFVDRVRAR  
IDTRERVVSF PPQAVITQDN LTVAIDIVVT FQINEPERAI YGVDNYIVGV EQISVATLRD  
VVGGMTLEET LTSRDVINRR LRGELEDAATT KWGLRISRVE LKAIDPPPSI QQSMEKQMK  
DREKRATILT AEGQREADIK TAEGEKQAKI LQAEGEKHAS ILNAEAERQA MILRAEGERA  
ARYLQAQGEA RAIQKVNAI KSAKLTPEVL AYQYLEKLPK IAEGNASKMW VIPSQFSDSL  
EGFAKQFGAK DAEGVFRYEP NTVDEETRDI ANADNVEDWF STESDPEIAA AVAAANAVAN  
KPVDFEPGEI LSKKTARRVE PEAVLEALQN GTTTQPEVEA APPTANFAQE FPAPQANPED  
YSDQHRENPY GN

> RXA00177 (1-288, translated) 96 residues

LPYVLAFAFNAF YAPQAEQRAA AAFGSATALE GLQQLRAQVG APQRLSDYGF TAAGIPEAVE  
IILEKVPANN PRTVTEENLT ALLTTALNGD DPATLN

> RXA00178 (1-885, translated) 295 residues

MTISAQQQAV EEDLVERVLA SFDSCENPRL KLVMKSLTVH LHDFFIRDVRL TEEEWNYAID  
FLTKVGHITD DKRQEFVLLS DTLGASMOTI AVNNEAYEDA TEATVFGPFF VDDAPLVQNG  
DDIAFGAVGQ PAWVEGTVKD TEGNPIPNAR IEVWEDEEDG LYDVQYADER SAGRAHLYSD  
ENGEYHFHGL TPVPYPIPHD GPVGQMLQAV GRSPVRCAHL HFMVTAPEKR TLVTHIFVEG  
DPQLEIGDSV FGVKDSLICK FVEQPAGTAT PDGRDVGDT WARTREDFIVL APGNV

> RXA00191 (1-1419, translated) 473 residues

MSFKRRSLAI TCAITSSIVL AGISGTAAQ SSVVSGSSGL LSSSELHPET PAPLDAPKNI  
IYIMIGDGMGY NHVSATNLFE TGQTMHQVEG EPGSVTPVEG GTPVQAFEGA EWTQLAQSTF  
QDGNISYDPER AWADHNYVNE NFTDSAAAGT AMATGVKTTN GMIGINPANE PAKNTSEYAI  
EKGKAAGVVS SVPFNHATPA AWAHNSNRN DLHAMAEEI NSDLNVIMGA GHPFFDNNNGN  
PITEADEDYM QASQYERLAS GETDFTFVEE DADFEALANG QVESDKYFGL AQVEDPLQHD  
RDGDSVTPYD VPLNDVVDLS TMSKAALNVL NQDEDGFHIM IEGGAIDWAG HANDMARDIE  
EVQEFNKAVE TVIEWVETNS SWDETLVIVT ADHETGYMTG PNDDPNWSAM TGAAGIVPNH  
GWHSGNHINQ LVPVFARGAG VSDIVAAADQ VDPPIRGNYID NIEIANLTFN KWW

> RXA00226 (1-825, translated) 275 residues

MNLSMPAFAT WVLILDFSRT LMAAHNLQ GK NALIFRADAL QPASRGADVI IADPARRAGG  
KRITNPAQLL PPLPSLLDAW INQPLAVKCA PGLDFSEWPG LVSIASVDGG VKEACLYTTD  
LADGETREAI VIKDGLIDRI TNFEDDATGQ DLAAAPGEFI IDPDGAIVRA GLVRHYAVRE  
QLWMLDERIA YLTGNRIPEG TSGFRFIEEV PLKKLKSAMA AHDAGAVEIL VRGVDVDPDQ  
LRKRLQLKGT KAMSVVITRI GSRGVALICG PRERA

> RXA00231 (1-789, translated) 263 residues

DRLRKVSFTG STPVGQQLLK KAADKVLRTS MELGGNAPFI VFEDADLDA IEGAMGAKMR  
NIGEACTAAN RFLVHESVAD EFGRRFAARL EEQVLGNGLD EGVTVGPLVE EKARDSVASL  
VDAAVAEGAT VLTGGKAGTG AGYFYEPTVL TGVSTDAAIL NEEIFGPVAP IVTFQTEEEA  
LRLANSTEY G LASVFTQDT SRIFRVSDGL EFGVLGVNSG VISNAAAPFG GVKQSGMGRE  
GGLEGIEEY SVQYIGIRD YAG

> RXA00249 (1-954, translated) 318 residues

GVFTFQGVVL LVDARHGVVE QTRRHLSVSA LLGVRTVILA VNKIDLVDYS EEVFRNIEKE  
FVGLASALDV TDTHVVPISA LKGDNVAEPS THMDWYTGPT VLEILENVEV SHGRAHDLGF

RFPIQYVIRE HATDYRGYAG TINAGSVSVG DTVYLPEGRT TQVTHIDSAD GSLQTASVGE  
 AVVLRLAQEI DLIRGELIAG EDRPESVRSF NATVVGLADR TIKPGAARKV RYGTLEVRGR  
 VAAIERVLDI DGVNDNEAPE TYGLNDIAHV RIDVAGELEV EDYAARGAIG SFLLDQSSG  
 DTLAAGLVGH RLRNNWSI

> RXA00277 (1-1584, translated) 528 residues

MKDNEDFDPD SPATEAVAFN PFDDDDDEDS PATSAVAFNP FEDDDDDDEF QGEGLEFLLR  
 DLDNLRATQG QMVVEQPAVE DSLGSASAHT ETAAASLRPR PEVDPSESR RQAISLFRR  
 RRVRRQSRPV ADGMVELPFI TPKPEDELLI DPEKKRKPGV AAPQLVAGDI VAEQYEV LGV  
 IAHGGMGIY LANDRNVSGR IVVLKGMMQ SSVQDQGTAE AEREFLADIT HPGIVKAYNF  
 IDDPVPVGGF IVMEYVNGPS LKDRCKAQPD GVLVVDLAIG YILELLPAMD YLHQRGVVYN  
 DLKPENVIAT EDQVKLIDLG AVTGIGAFGY IYGTGKFQAP EVATHGPSIS SDIFTIGRTL  
 AALTMPLPVE DGVLPAGIPS PKNSPLLRRH LSFYRLQRA TADDPQHRFR NVSELRTQLY  
 GVLREILAVR DGKQYPPQHS LFSPQRSTFG TKHLVFRTRD IIDGIERQAR ITAPEIVSAL  
 PVPLIDRTDP GARMLSGSSY AEPSETLETL RNSMEDEQYR QSIEIPLG

> RXA00299 (1-744, translated) 248 residues

MLPNHSPYVI AEQFGTLAEL YPDRIDLGMG RAPGTMNTL RALRRDPQSA ENFPSDVVEL  
 NSYLTGRSRL PGVNAIPGKG TNVPLYILGS SLFGAQLAAQ LGMPYSFASH FAPTHLEHAV  
 QTYRDNYQPS EQHPEPYVIA AVNVTASDST EQAHDDFYKV ARARVKNMAL RGRQVTDEQL  
 DELMDSPEAR QIVDMLHYTA IGTGSEVKEY LDGFVKTAQA DELMISLQSP NTEATTRNME  
 ILADAWIN

> RXA00332 (1-702, translated) 234 residues

MAFNKAYDAL RAPQITLGLM TPNGPELGRS EMVPTENSIE LAIQAEAAQGF RGMWVRDVPL  
 AVPQGITVTD KQATYLDLDPF LMLGAMASVT STIALGTAAT VLPLRHPLHV AKSALTDLRL  
 SHGRFVLGIG SGRDPEEFEEI FGKSLDNRRR DIQSGWAILR AALSPDPAMR ADLEFAPTPP  
 PEAQIPMIAV GSARQTVQWI ARNADGWATY YRPAAEQVGR LDLWDKARGG TRPC

> RXA00354 (1-636, translated) 212 residues

GLIGANGGYV ESAQESVFHR RLSGEETRHI VEWLYNRGLE FYLESNNGLY ASRGFREASK  
 PVLRLSEKT DVTVDSPYDP MFWGASLDRD DVNKISYIFN SQEDLDAARE AFPNLEHTTW  
 GGQTGALFGT IGVSVNKKIG VDRLLKYLNA DRANTIAFGD SDEDLSLFEA SAYGVAMGEA  
 TESLKAADL VTDVAVGQDGL RNAFLKLELI DA

> RXA00372 (1-1077, translated) 359 residues

MSSKHLKRT AVTVFALGAS AALLVACSEP SEDVSTAETT TASSSANASD AAGEKVTITV  
 YTSEPEEKVD EINKAFMEAN PDIEVEVYRA GTGDLTARIE AEKASGSIEA DVLWAADAAT  
 FETYAAQGD L AELEDVETSD IIEEALDAEN FYVGTRIIPV VIAYNTEVVD QALPTSWAD  
 LTDPKYAGQL VMPDPAVSGA AAFNASVWKN DPALGEAWIT ALGENQPMIA QSNQPTSQEI  
 AGGGHPVGIV VDYLVRLDAA AGSPIDTIYA SEGSPYITEP AGVFADSEKK EAAERYINFL  
 LSVEGQEIIV EQAYLPVRED VGTPEGTPEL ADIELMTPDL EVVTADKAAA VEFFQNAMN

> RXA00470 (1-1200, translated) 400 residues

MIEDMSNTPA PYTPQPAQQA VPLYPTFTRS RDGRVVAGVA SGLAKHLNVS VFWVRALLIF  
 AALLSGAGLF AYALIWIFTR IEKKGSGEAS TSKRWVSWCL VLLAIGGAAA SVMLSTGFVAV  
 GTLVPIGVVG VGLLMVWLAY DRGVESGPNL LIIATGGVLM LVAIVLIVMN WNTQDGFVMA  
 LVAVVLTIVG VAALGVPLWV RMWDQLGEER AEKAAAAERA DIASRLHDSV LQTLALIQKR  
 ADDPAEVARL ARGQERELRQ WLFDSQDKTP QTTGTVFTAL ERACGEVEDI YALRIVPVTV  
 GTDEALTEKT QAAVMVAVREA LVNVAKHAGV ETADVYAEIM LGELNIFVRD RGAGFDPDNI  
 PDGHHGLAES VQGRVERAGG KVRKSEIGE GTEVAITMDV

> RXA00471 (1-690, translated) 230 residues

MVDVFLVDDH SVFRSGVKAE LGNAVTVVGE AGTVADAVAG IKASKPEVVL LDVHMPDGGG  
 LAVLQIINDS DVDITFLALS VSDAAEDVIA IIRGGARGYV TKSISGEELI EAINRVKSGD  
 AFFSPRLAGF VLDAFAAPDS AAGAGIVDAP EKDAAVESGK ILDDPVVDAL TRRELEVRLR  
 LARGYTYKEI GKELFISVKT VETHASNILR KTQQSNRHAL TRWAHSRDLD

> RXA00499 (1-957, translated) 319 residues

GNDILEKPTA EVVEYLSHLR ADGIVRDAEA LRKHLGVNQW NLLGQSFGGF TTLHYLSRHA  
 DSLDNVFITG GLSAIDRPAE DVYANCYNRM RRNSEEFYRR FPQLRETRFG LVNRARAGEI

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VLPTGEVVSE  TRLRSLGHL  GSNDGWFDLY  NLELDPTSN  AFVHDLAGLL  PFGNRNPIYY
VLHESSYADG  VVTNWAAERV  LPEDFREDPT  LLTGEHVFOE  WTDTPVPSLK  WKDVALALAQ
QEWPPLYDAK  ALENSQAKGA  AAVYANDVFV  PVDYSLETAQ  HLPGVQLFIT  SQHEHNGLRA
SSGAVLKHLF  DLAHGREVR

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> RXA00500 (1-675, translated) 225 residues
VLVLALDTST  PDLIVGVVDS  DTGNTRAETI  IEDTRAHNEQ  LTPTVQKTLL  DANLSFSDID
AIVVGCGBP  FTGLRVGMVS  GAAFGDALGI  PVYGVCSLDA  IAHNIGARNI  PHALVATDAR
RREIYWATYR  SGERDQGPDV  IAPANIQISG  AVDTISIPEH  LVEKLPEELQ  NVTMHSKPA
PASLVAADF  SVEPQPLVPL  YLRRPDAKEP  KPKPKSAAIP  EVDLS

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> RXA00501 (1-507, translated) 169 residues
MSEQFELREL  RREDAGRCAD  LEQILFPGDN  PWPRDVFAVE  FSHPTNFIY  AFDEGYLVAY
AGLAMMPAD  DPEFEIHTIG  VDPEFQRKGL  GRVLMDQMMH  AADSHDGPVF  LEVRTDNVPA
ISMYEAFGFK  TLAVRKNIYR  PSGADAYTMQ  RPRLSDRKDQ  QTDTEGTPS

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> RXA00502 (1-1032, translated) 344 residues
MIVLGISSC  DETGVGVVKL  DGEGNLEILA  DSVASSMQEH  ARFGGVVPEI  ASRAHLESMV
PVMREALRQA  GVDRPDAAVA  TVGPGLAGAL  LVGASAAKAY  AAAWGVPFYA  VNHLGGHVAV
ANLEGETLPH  AVALLVSGGH  TQLLEVDVAV  LPMKELGSTL  DDAAGEAYDK  VSRLGLGYP
GGPIIDKLAR  RGNPEAIAFP  RGLMKKSDSR  HDFFSGLKT  SVARYVEAAE  RNGEIVSVD
VCASFQEAFC  DVLTFKAVRA  CRDVGAKVLL  LGGGVAANSR  LRELAQERCD  KADIELRVPR
FNLCTDNGVM  IAALAAQRIH  EGAQESPIVS  GTDPSLSVET  PQVF

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> RXA00566 (1-606, translated) 202 residues
MPTSRVLP  FIEQSAYGTK  ETNPYAKLFE  ERIIFLGTQV  DDTSANDIMA  QLLVLEGMDP
DRDITLYIN  PGGSF TALMA  IYDTMQYVRP  DVQTVCLGQA  ASAAAVLLAA  GAPGKRAVLP
NSRVLIHQPA  TQGTQGVSD  LEIQAAEIER  MRRLMETTLA  EHTGKTAEQI  RIDTDRDKIL
TAEAELEYGI  VDQVFDYRKL  KR

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> RXA00567 (1-591, translated) 197 residues
MSDIRMAAQ  GPGFGNDVFD  RLMSERIIFL  GSQVDDEIAN  KLCAQILLLS  AEDPTRDISL
YINSPGGSVT  AGMAIYDTMK  YSPCDIATYG  MGLAASMGQF  LLSGGTKGKR  FALPHARIMM
HQPSAGVGGT  AADIAIQAEQ  FAATKREMAQ  LIAEHTGQTF  EQISKDSRD  RWFTAQEAKE
YGLVDHVITL  AEGPISN

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> RXA00569 (1-1026, translated) 342 residues
MRLKKQLLGS  LLVVIVVLSI  AVATTKQKQK  FVTGQPTGAL  NLSDILDSEE  LGEYHLMSAA
IITGNTVDF  GLGAGPDDPF  EIASITKIFT  GELLRLQIER  GEITESTAVG  DVLGERVADS
LIRDITVEEL  ANHTSGLPRL  GNVGLRPFMA  TFFDKNPYKD  LSADRVISIS  TTSKLNSRGE
FHYSNLGFAL  LGQVLARNAG  LTFDQLLDRD  LLAPLNLNNT  KLMTPESLAQ  DAPQGFSTPG
KQVEAWEMDG  FLPAAGLRST  ARDMAVFCQY  LFTKGPAPFT  WQSLESAPEI  VWHNGESFGY
SSVLFFNTAT  TTAIFVAADV  ATSVFPIGHE  LLMANSTRQE  SK

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> RXA00594 (1-933, translated) 311 residues
VSTTNSLTKL  VASTVAAGVL  GALALVPFAS  LSGVAVARTN  DTMQTNLSDL  TDGRGPGVTT
ITDSTDQPIA  YIYAQRREFV  GGDQISTSMK  DAIVSIEDRR  FYEHDGVDLQ  GFGRAILTNL
AAGGVEQGAS  TINQQYVKNF  LLLVEADDEA  EQAAAVETSI  PRKLREMKMA  SDLEKTLKSD
EILTRYLNIV  PFGNGAYGVE  AAARTYFGTS  AAELTIPQSA  MLAGIVQSSS  YLNPYTNHDA
VFERRNTVLG  AMADAGAISP  DEASAFQOEP  LGVLETPQGL  SNGCIGAGDR  GFFCDYALQY
LSEQGITQDM  L

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> RXA00612 (1-1185, translated) 395 residues
AAAAIQQGAG  LDTMLDVPSR  YEVKMGSGG  AANCPANTYC  VENAGSYAPR  MTLQDALAQ
PNTAFVEMIE  QVGVDTVVDL  SVKLGLRSYT  DEGSFDGESS  IADYMKDNNL  GSYTLGPTAV
NPLELSNVAA  TIASGGMWCE  PNPIASVHDR  EGNEVYIDRP  ACERAIDAET  ASALAVGMSK
DTVSGTAASA  ASMYGWSLPT  AAKTGTTESN  QSSAFMGFNS  NFAAAPYIYN  DGTSTPLCS
GPVRQCSSGN  LFGGNEPAQT  WFNMASNVPA  ASQGTLPSSS  DSFRLGTSGE  LLNQVVGQSE
ASARRTLEAK  GYKVTTRSVS  GAGSARGTVV  SATPQGAFLI  DGGTVILDIS  DGTSPAPAT
NNDDSDGDT  PAPSTNNRGT  TIEDAINDAI  NQFFR

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> RXA00615 (1-582, translated) 194 residues  
 MTASVFYFVVL SVVVLIDCIL PLIPSETVLA LAGAWSGARG TPNLWLVISV ATLAIIIGDN  
 LCYFFGTRLI NMVNRIPGES RRGKALEWAR KNLNERDVST IIIARFIPWA RWFVTIILGS  
 VGYSWSRFIV WDSIGALIWA TQATLLGYVG GWLFQEQPLI GLVAGAALGI FFGFFLQWLN  
 KMWERRRLAK VAAE

> RXA00621 (1-783, translated) 261 residues  
 MSERLNAPQA PIHPITRTHH GIDFVDNYEW LRDKESQETL DYLEAENAFD KQETEQLATL  
 RDNIYEEIKS RVKETDMSIP VRAGKHWHYS RTEEGKSYGY SCRIPVTEGS DAWTPPVIPE  
 GEPAQGETII MDANELAEGH EFFSMGASSV TTSGRYLAYS TDVTGEERFT LRIKDLTGE  
 LLPDTLTGIF YGATWVGEEY LFYQRVDDAW RPDTVWRHKV GTPVEEDVLV YHEPDERYST  
 WVGTTTRSEKV HPFWLRLQDH L

> RXA00622 (1-1416, translated) 472 residues  
 MNVIPPGWAP LVQKKFILFG CASKITSEVR VLPFDQPEGT PEVLIPRAEG VEYDVDHAVV  
 DGSDIWLVTN NAEGPNFSVG WAGVDKLNLS DALAPLVAHK DDVRIEGVDT YRDFIILGYR  
 SGAIGQVAIM KLIDGTFGDF QQLEFDEEII TVASGGNPEW DAPVIRLSYG SFTTPAQLFN  
 YWIESGERTL LKQQEVLGGY KPSDYVASRL WVTAKDGAQI PVSLVHRTDL DVSKPNPTLL  
 YGYGSYESSI DPGFSIARLS LMDRGMIFAI AHVRGGGEMG RGWYDNGKTT TKKNTFTDFI  
 DVADALIEQK ISAPEMLVAE GGSAGGMLMG AIANMAGDRF KAIEANVPFV DPLTSMMLPE  
 LPLTVIEWDE WGDPLHDKDV YEYMASYAPY ENIEAKNYPN ILAVTSLNDT RVLVVEPAKW  
 VAQLRATATG GEFLKTEMV AGHGGVSGRY EKWRETAFY GWLINQATGV TE

> RXA00636 (1-1029, translated) 343 residues  
 MMIDTPAVLI DRERLTANIS RMAAHAGAHE IALRPHVKTH KIIEIAQMQRV DAGARGITCA  
 TIGEAEIFAG AGFTDIFIAY PLYLTDHAVQ RLNAIPGEIS IGVDSVEMAQ ATAGLREDIK  
 ALIEVDSGHR RSGVTATASE LSQIREALGS RYAGVFTFPQ HSYGPGNGEQ AADELQALN  
 NSVQRLAGGL TSGGSSPSAQ FTDAIDEMRP GVVVFNDSSQ ITSGACTEKQ VAMTVLSTVV  
 SRNVSDRRII LDAGSKILST DKPAWIDGNG FVLGNPEARI SALSEHHATI FWPDKVLLPV  
 IGEQLNIVPN HACNVINLVD EVYVREADGT FRTWKVVARG RNN

> RXA00639 (1-660, translated) 220 residues  
 MTSAEQIVDP TAHDGSKAT DKFKANRVSS DTSKERANAI YVDLLAAIAQ VAHKHEVTYE  
 EYAVLKQWMI DVGEYGEWPL WLDVFVEHEI EEINYNRHDY TGTGKSIEGP YYVENSPLKLP  
 WDAEMPMRDK DRACPLIFE GQVTDLDGNG LDGAEEVELWH ADEGGYYSQF APGIPEWNLN  
 GTIVTDEEGR YKIKTLQAP YQIPHGDGPTG WFIESYGGHP

> RXA00640 (1-249, translated) 83 residues  
 MSTPVSNNLAS VQKTLDBALE DRPEEGIVRV NRNIPTDPEI FELEMRHIFE GIWMDMAHES  
 QIPNGGDYFT TYIGCQRIMI TRS

> RXA00641 (1-1041, translated) 347 residues  
 VRRVPKLESY RGFLFGSLND DVVSLEEHLG DTRTVIDMLV DQSPEGLEVL RGSSTYTYDG  
 NWKLQTEGA DGYHVSSTHW NYAATTSRRG TGESANETKA MDAGTWGKQG GGYFSYPYGH  
 MLLWMMWGNP EDRPLFERRD EFKKEFGEEK GEFMVGASRN LCLYPNVYLM DQFSSQIRHI  
 RPISVDQTEV TIYCIAPKGE SAEARANRIR QYEDFFNATG MATPDDLEEF RSCQKTYQAS  
 AFPWDMTRG LGHQVQGPNE VAKGLGMNEV LSSGARTEDG GLYPIQHGFW HELMQEAVNK  
 QSIKEKELAD DTASSLATVA AAKIREEAKA AAKSDAGEPR RRRRTG

> RXA00642 (1-492, translated) 164 residues  
 MSEITRSEIE AFLYYEARLL DDRKFEEWLE CYREDAEFWM PAWDDNGELT EDPQSEISLI  
 YYPNRRGGLED RVFRIRTERS SATSLPEPRT GHSTTNVEIL ERRDGEVDIR FNWITFYRY  
 NTTDTYFGTT FITLDVSGET PKIVKKKVVL KNDYIHHIVD IYHV

> RXA00643 (1-1536, translated) 512 residues  
 MTHQVALAFE DGITRFIDCE DDQTVADAAQ QARINIPFDC RDGACGTCKA FCESGDFDEG  
 DYIDDALSED EAADGYCLPC QMTPKTDLIL QIATTSVLAK TGASTFDGEL KEINHFSDDT  
 IGIEIELENR QDLAFLPGQY MNIQVPGSDQ TRSYSFSCAQ DSGNVQFLIK VTPGGLMTTY  
 LTDHAKVGDK LTLTGPMGSF FLREPVRPIL LLAGGTGLAP ILAILEKLSR DELLDVPIRL  
 VYGANFTHDL VELDRDLAFK DKFDFDYITV LSDKDEHPR KGYVPAHLTG EYEPDEDTDV  
 YLCGPPPMVE AVRQFLGTLE HPPLDFYIEK FTSAAAPAAG KPEITVETSE VAEDFNLEVE

STPGMSSGEV HSSATQLQAR MALELGALEL AINKLGERDI ERFRLADIA NSFIDGDKFI  
 DAVKFTEANA DFHEFLFRRRA NNEALLAAYQ NLQVVQEMNA TLPGAEWIDP AIATEHLALV  
 DAVSQNDLET ARTIIREHAE HGIDTMVKAL EK

> RXA00644 (1-828, translated) 276 residues  
 MSAPVGQIE GRPTHVTPER FFGQGVVVTG AAQGIGMAVA HRIAYEDGNL VLVDRSPLVH  
 EVAEELRKAG AGTVDSFIAD LETFEGATDA LEFAGQKLKN LDVVINNNGG TIWAKPYQEY  
 SEEEIRKEIN RSLFPTLWMC RAALPILIGN GGGTIVNVSS IATGGINRVP YAAAKGGVNG  
 IVSAMAREAA PHNVRVATA PGGTLAPERA VKRGPGEPE LEEKWYQQIV DQTIDSSLMK  
 RYGTLEEQVA PICFLASEEA SYITGSVMPV GGGDQG

> RXA00650 (1-636, translated) 212 residues  
 MIRVLLADDH EIVRLGLRAV LESAEIEVV GEVSTAEGAV QAAQEGGIDV ILMDLRFGPG  
 VQGTQVSTGA DATAIKRNI DNPPKVLVVT NYDTDTDILG AIEAGALGYL LKDAPPSSELL  
 AAVRSAAEGD STLSPMVANR LMTRVRTPKT SLTPRELEV LKLVAGGSSNR DIGRILFLSE  
 ATVKSHLVHI YDKLGVRST SAVAAAREQG LL

> RXA00658 (1-318, translated) 106 residues  
 VRHDEHYPA ANLIAFDKGW STLIAPQLED PEAEFTAGF LTEYQDNLIT AGMEHQALAS  
 GFPVGRRFKS DIALRRCDV TTHIGHEHSA DGHWRIVFA GQATPQ

> RXA00659 (1-621, translated) 207 residues  
 VEASDGGTFD VENPATGETI ATLASATSED ALAALDAACA VQAEWARMPA RERSNILLRG  
 FELVAERAE FATLMTLEMG KPLAEARGEV TYGNEFLRWF SEEAVRLYGR YGTTPEGNLR  
 MLTALKPVGP CLLITPWNFP LAMATRKVAP AIAAGCVMVL KPARLTPLTS QYFAQTMLDA  
 GLPAGVLNVV SGASASAIN PIMEDDR

> RXA00663 (1-996, translated) 332 residues  
 LGDNDTRILA VAKNLQEEGH NVVLVSKDLP MRIKASASGI AAQEYRAALA RDRGYTGMTH  
 ANITDDQLSE LYDTGEVRIE ELEKLNVNHG FTLKSNSGSA LGRMNSDKII ELVPGDQQVF  
 GISGRSAEQR VAIDLNDDA VGIVSIGGPA GTGKSALALC AGLEAVMERR IQRKIIIFRP  
 LFAVGGQELG YLPGDQEEKM GPWAQAVFDT LSSMVSQNII DEALSRGLIE VLPLTHIRGR  
 SLHDAFVIVD EAQSLERNVL LTMLSRIGQN SRVVLTHDVA QRDNLRVGRY DGIVSVVEAL  
 KDHELFGHIT LQRSERSRIA ELVTQVLDA SL

> RXA00675 (1-483, translated) 161 residues  
 CGATFDGWVG DSAWSFGIGE LDEDVQGLNL ATEWVLMEGM KAMVPGNRLT DVSHALEVAT  
 RKAESKFGVA LGIVDGYGGH GIGRHMHEEP YLANEGKAGK GPVIEGGSVL AIEPMLTLGT  
 EDSAVLEDDW TVVTLDGSWA SHWEHTVAAT KGGPRILTPR Y

> RXA00689 (1-627, translated) 209 residues  
 MRNTGQTCYI STRIIAPSSR YAEVVQTVAS TIAAGRQGD YDEETVFGPV ASASQYSTVM  
 SYIDSAREEG ARVVAGGTRS ISLSEGLESG EFIQPTVFAD VTPDMRISRE EIFGPVISIL  
 KYDDTNGVSE AIALANNTKF GLGGLVFGAD EEQALEVARQ VDSGSGVINF FGSNHSAPFG  
 GRHESGMGVE YGIEGLSAYL TYKSIHRTI

> RXA00715 (1-795, translated) 265 residues  
 VVTVDWLSHN LDRDDVIVLC ATMEDDEIAR QAGIPGAFLA DLEGDFSDFH SELPHTAPPN  
 LVGLLESYGI STDSTVVVYD LHGLMVAPRV WWLLRVAGLS SIGVLDGGLP AWVDAGLPTE  
 PLSLPTSGGR ISAEPPQDLL VGASGVERAI ARSSKAVIDA RNASRFAGVE EEPRPGLRKG  
 SIPGSVNIPF TDISDEHGFV RPAEELKELI FSRTNGAQL VFSCGSGVTA CVDAYAAVIA  
 GYDDVVVYEG SWAEWGNPAN QKPIA

> RXA00744 (1-942, translated) 314 residues  
 MGNWAEITDE ISKIYQDNQY KIRQINDVDA VSDKRREALQ ALFEHTGRNV IVYYSAWLEN  
 GRRFSGQSTD FSVNDTDKNS FMTALHKLDQ SKGLDLILHT PGGDVAATES LVDYIHALFG  
 QDFRVIVPQL AMSAGTMIAL SSKEIVMGKH SSLGPIDPQF NGLPAHGLLE EFEQAKKEVS  
 ENPQTAHIWQ VILNKYNPTM LGEAKKAIQW SNSMVQWLE KGMFLDEPDK EEKATRAIKE  
 LADHSVTLAH NRHISVSKAL ELGLNIKELE SDPKLQDLVL TLHHLSVIAA QRGPLIKFVV  
 NHDNRGTFLQ GHEN

> RXA00756 (1-996, translated) 332 residues  
 VNIDVQALKA IESEKGIPVP DLLRTIASAL LHSYMDNRET VASANLKPRV DIDSTTGTVN  
 VIVSEFDENG ELASEYDDTP SNFGRVSARA VRDAIVKSLR EAEASRAFDA YADYEGTVVS  
 GIVQADARAA ERGIIIVQLG TEADNQDGV LPAEQIPGEK LKHGDRVKCF VVGVGKGN TD  
 IQINLSRTHP ELVRRLEFELE IPEVADGSVE IVAISREAGH RSKVAVQAKV KNLNAKGACI  
 GPRGQVRVSN MRELGGEEKID IIDYSEDPAT FVGNALAPSK VVNVEVTDLE AQTARVTVPD  
 YQLSLAIGKE GQNARLAARL TGWKIDIHSD ID

> RXA00772 (1-1506, translated) 502 residues  
 MSDRIASEKL RSKLMSADEA AQFVNHGDKV GFSGFTGAGY PKALPTAIAN RAKEAHGAGN  
 DYAILDFTGA STAPDCDGV L AEADAIRWRM PYASDPIMRN KINSGSMGYS DIHLSHSGQQ  
 VEEGFFGQLN VAVIEITRIT EEGYIIPSSS VGNNVEWLNA AEKVILEVNS WQSEDLGEMH  
 DIWSVPALPN RIAVPINKPG DRIGKTYIEF DTDKVVAVVE TNTADR NAF KPVDDISKKI  
 AGNFLDFLES EVAAGRLSYA GYIMQSGVGN VPAVMAGLL ESKFENIQAY TEVIQDGMVD  
 LIDAGKMTVA SATSFSL SPE YAEKMNN EAK RYRESIILRP QQISNHPEVI RRVGLIATNG  
 LIEADIYGNV NSTNVSGSRV MNGIGGSGDF TRNGYISSFI TPSEAKGGAI SAIVPFASHI  
 DHTEHDVMV ISEYGYADLR GLAPRERVAK MIGLAHPDYR PLLEEY YARA TSGDNKYMQT  
 PHDLATAFDF HINLAKNGSM KA

> RXA00773 (1-1143, translated) 381 residues  
 VTLKIGPFDL ASPVVLAPMA GVTNVAFRTL CREQEMQRTG TISGLYVCEM VTARALVERN  
 EKTMMHTTFA PDENPRSLQL YTVDPKYTYE AAKMIVDENL ADHIDMNF GC PVPKVTRRG  
 GSAIPYKRRL FENIVSAVK ATEGTDIPVT VKFRV GIDDE HHTHLDAGRI AVDAGAKSVA  
 LHARTAAQRY SGEADWNEIA RLKEHLADTG IPVLGNGDIF AASDATRMME QTGCDGVVVG  
 RGCLGRPWLF AELSAVRGE EIPEEPTFGE VTQIILRHAE LLMQHDGETK GLRDLRKHMG  
 WYLRGFPVGG EFRSNLAKVS TYVELEDLLA PWADSTAKAE DAEGARGRQG APAKVALPDG  
 WLDDPEDATV PKGAEMENSG G

> RXA00778 (1-834, translated) 278 residues  
 RNNFAAAQVA FGGSDSAMKD DQAAEAEARC NGNEAWHLPF VIGPVAVAYN LPGVDTLNLD  
 TNIIAQIFKG EITKWNDEAI ASQNEGTDLP DQDISVLYRS EESGTS DN FQ KFLGASTDIW  
 ETEGQQFPTE VGSGAQGSNG VASEASNIEG AITYVEAGFA NQSGLG VANI DFGSGPVELN  
 AESVGVALGA LDFLT EGHNM VVDTDAMFAM NEAGAYPLIL TTYEIVCSAG YDETTRDQVK  
 DFLTVALDSQ DDQLEALGYI PVTGEHYDRL VAAVEAIQ

> RXA00787 (1-594, translated) 198 residues  
 VSQPLSKRLS IRKALASAFI VALAFSLSPV AKAQANETPT MIVLDNSGSM TAQDAGGQTR  
 IDAAKQASTQ LINDISDR TD VGLTY YGGNT GETEADVEMG CQDV TILGGP SRGNADTLID  
 TINS LQPRGF TPIGKALTD T AAELPEGGNI VLVSDGIANC TPPDVCEVAQ ELAQSGINLV  
 INTIGLNVDP AAREELEC

> RXA00791 (1-828, translated) 276 residues  
 LFLTDL PQES RFWKIPVEPG ETISVSANTV TDPTVLTMGQ GGIKLEAQLH TEEAPQYGLR  
 GRCTRVSFDN FKPG LGVRGI QNASVASKEV GTNNCDTDAI YLEISRSGDY LNGQDIPT EI  
 TIERFGKVDE STIGNVTEEH SSVDLTEAAA SEAHPTVPGQ WFTSAADLDP AGEKVSSIIV  
 PGETHFYALP VDYQELRAA VETTFDQIDS SALGTHLYIQ AFSPNRAEIE LTNRDTSYAD  
 DNGLKTFGFF TPVSAANLFE KSSQGISLRS PWQGGT

> RXA00793 (1-1176, translated) 392 residues  
 MSENNTTLH WFLPTYGDSR GITAGGHGFG FHSGSRTADL DYLSQIALAA ERNGFESVLT  
 PTGLWCEDAW ITTAALLSRT SKLKFLVAIR PGQVSPTIIA QQGA AFQKFS NNRL LINVVV  
 GGEDHEQRAF ADYSSKEERY HKADETLEII DHLWNSAEPL NFQGEFLSVE NAVLKEQPEV  
 SPPIYFGGSS QLGIEIAAQH SDVYLTWGE P AEKVEEKLAR VRAEADKRN R ELDYGIRLHV  
 IARPTED EAW SVAQNLLDQL DQEEVARIQE GLARSQSEGO RRMTELHGQG AAFTAGADAR  
 SLEIAPNLWA GVGLVRGGAG TALVGSYEQV AQAILRYRDI GLSHFIFSGY PHLEETYHVG  
 EGVVPELLKL GVPVNNHEEQ RNDVVATPFI SR

> RXA00797 (1-360, translated) 120 residues  
 MATAENTTQE NRKILFNAFD MNCVAHQSPG LWTHPKDKAR DYN TLDYWVH LAKTLEKGLF  
 DGLFIADV LG TYDVYGS SNE AALSSGAQVP VNDPILLVSA MAYATKNLGF GITAGTAYEH

> RXA00820 (1-363, translated) 121 residues  
VNTFADATDD QQWIHTDPER AKDGPFGGAI AHGFLTLSMI IPFWGELLDV TGVTTKVNYG  
LDKVRFTSPV KVGSRIRMGA VVREISEVKG NGLHLVADGT IEIEGQERPA VVATFLTRFY  
A

> RXA00833 (1-369, translated) 123 residues  
MAKTHFQGNE TATSGELPQV GDNLAEFNLV NTELGEVSSK DFQGRKLVLN IFPSVDTGVC  
ATSVRKFNFA AASLENTTVL CISKDLFPAL GRFCSAEGIE NVTPVSAFRS TFGEDNGIVL  
EGS

> RXA00844 (1-834, translated) 278 residues  
MSSASFTTKA LSVLAALTA SAPLVAASPA HALANARNVT GSSTTSDSIV RLHIGNTACT  
GTMITPTWAI TARHCIPEGG IAGAAIGSST LSQFQQVSQA ILHPTADLAL VELPNQASSN  
TVDLYGAHVQ PGENGQAAGW GGYSAFGQNV AQQADVQIQR RVVNVPSADR TAVLLEGTVS  
NGRLVPGDSG GPLYINGQLA GVLSMSTDVE NDALDGTVGW YIPVAEHAEW IAYYTGKHIA  
PIAGAPAEVL DATANPTFIP APQPFTGSSI GGWALGSS

> RXA00857 (1-1290, translated) 430 residues  
AVGIEVPNSD REMVRLGDVL NARATVENKD SMLIGLGKDI EGDFVSYSVQ KMPHLLVAGS  
TGSGKSAFVN SLLVSLTRA KPEEVRILV DPKMVETPY EGIPHLITPI ITQPKKAAAA  
LQLLVEEMEQ RYMDMKQTRV RHIKDFNRKI KSGEIEPTPG SKREYRAYPY IVCVDELAD  
LMMTAPKEIE ESIVRITQKA RAAGIHLVLA TQRPSVDVVT GLIKTNVPSR LAFATSSSLTD  
SRVILDQGGA EKLIGMGDAL FIPQAGAGKQ RIQGAFTVDE EIQAVVDMAK AQRQPEYTDG  
VTEDKASEAK KIDADIGNDL EDLLEAVELV VTSQMGSTSM LQRKLRIQFA KAGRLMDLME  
TRGVVGPSEG SKAREVLVKP EELETILWML KGADPADAPK EETWDDEVAA EAEEAANTTV  
VQADPSKGV

> RXA00860 (1-894, translated) 298 residues  
MTARRAADTS EERTGSAFRA VGSGIGTLFG ATASGLGKMT RSIGELGRRR NEDVLDDFDD  
FEEIATKPA TRKSRKAVE PEPEFDEDFD EQSGNRTSAY VEEHADGIAL SLVGIAIVLG  
AAVWLIGGGP IGTFIADIVH LAIGAGAWIL PVGLIGWAVA LMLRYTPERQ AQRVMLGIG  
VIIVCMLALI HLFAGNPAEW EGRKTAGGAI GAWIGTPLEL GFSVFLAVPI LLLLLFWGAL  
KTTGISIREF IEFAGGFFGF AGFNRDEDEF DEEDDDLYGH VERELESRAS GRAPSRTP

> RXA00866 (1-945, translated) 315 residues  
MNDSRNRGRK VTRKAGPPEA GQENHLDTVP FQAPDASSNQ SAVKAETAGN DNRDAAQGAQ  
GSQDSQGSQN AQGSQNRRESG NNNNRNRNNN RRGGRGRRGS GNANEGANNN SGNQNRQGGN  
RGNRGGGRRN VVKSMQGADL TQRLPEPPKA PANGLRIYAL GGISEIGRNM TVFEYNNRLL  
IGVDCGVLFPS SGEPGVDLIL PDFGPIEDHL HRVDALVVTH GHEDHIGAIP WLLKLRNDIP  
ILASRFTLAL IAAKCKEHRQ RPKLIEVNEQ SNEDRGPFNI RFWAVNHSIP DCLGLAIKTP  
AGLVIHTGDI KLDQT

> RXA00877 (1-1065, translated) 355 residues  
AAAVGTEGYV VPLELPTVQS EQAVLTESAS RAKLYEASQK RGASLNKDVL LETVRLRAER  
ATLLGYDTHA DYVIEETAD DVA AVRALLY DLAPAASANA KAELYKLSAEE AEEHGQKVGA  
ADWSFWEAKV RARDYALDET ELRNYFPLNQ VLRDGVFFAA NRLYGITVEP RPDLRGYAEG  
VDVWEVLDSG GSGIGLILTD YYGRPSKRGG AWMSSFVDQS ELLGTPVNV NMGITKPTT  
GEALLSLDEV TTIFHEFGHG LHGLLSKVRY PSFSGTSVPR DYVEFPSQIN ENWAFDPAV  
RNYARHVDTG DIIPDSLLEA VEACGISDRV VEHVSTCPHL LSTCPVSPCP QRMPL

> RXA00888 (1-1017, translated) 339 residues  
VTAPRKTRTE VITTVLNLER TLAQTVLGIN DENLRVLDNQ IDCIDIHVRGT HVELTGPAHE  
VSRASKIFEE LQAIARRGHV ISPETVKNVI SMINVETPQT VSEILTGDIL ARRGKVIRPK  
TLGQKHVYDA IDTNTIVFGL GPAGSGKTYL AMAKAVQALQ SKQVSRIILT RPAVEAGEKL  
GFLPGTLNEK IDPYLRPLHD ALRDMVEPEV IPKLMEAGIV EVAPLAYMRG RTLNDAFVIL  
DEAQNTPPAQ MKMFLTRLGF GSKMVVTGDI TQVDLPGGQK SGLRLVRHIL RGVDDVHFSE  
LTSSDVVRHQ LVGHIVDAYE DYEEREAREL KRKRQETRP

> RXA00892 (1-894, translated) 298 residues  
MSATSSVTVE CPAGTITGEP HYFRSIPYAK ARPFADAELK EPLRIDATGK HEGLYTLTAT  
PEARFGADAP VIVYIHGGGY DGGTRFDART EPTFFREQGF VVVSIDYRVG LEGFARFHDD

EANRYRGIDD CVLALWVQK NIEHFGGDPT NVTLIGQSAG AGIALWLTRL DHYKGAFRRL  
 VALSPSPFRQ PFAARKGALR RALGKPVTRA SLAGIKPARL DKGYYRRFARR YFTDLALGPT  
 PYDPNELADI DLIISSTRDE MYGHRAGLWF DQRGFGAKLA ARLFGLNSD TNIKEAPR

> RXA00905 (1-693, translated) 231 residues  
 DPNLLEDYAG AKEWVKETLT NAGLTVSEFA AEDGTTNFIG TRKGSEGAPK VLLYSHFDVV  
 PSGPLDLWDT NPFELTERDA GHGTRWYGRG AADCKGNLVM HLAALRAVEA SGTDTLNLTY  
 VVEGSEEMGG GALSALIKDK PELFDADVIL IADSGNASVG TPTLTTLRLG GGQVTVTVDT  
 LEGAVHSGQN GGAAPDAVAA LVRVLDTLRD EHGRTVIDGC QHHRKLEGRA L

> RXA00903 (1-633, translated) 211 residues  
 MGNPLAVIAD ADDLSAEQMA RIARWTNLSE TTFLLKPTQE GADYRVRIFT PTGELPFAGH  
 PTLGTAHVFR ELHGEQGTQL VQECVAGLVA VRAIDGPASG LAFQAPPTLK DGPLDASDL  
 AACEALGISP DFIRAHQWVD NGPGWAVVEL PSAQHVLDEL PDFSAHPTLK LGVIGAYPEG  
 APHAFEVRAF AQGIGEDPVT GSLNAFIAQW L

> RXA00906 (1-504, translated) 168 residues  
 MNTDAPLSTA VNTTANWKGE PYDPETFRSD AGILDGVDIM GDGDNPASML WSRPAISITG  
 FTSTPVAEAL NAVPATASAK LNLRVPALE ANDVAEKLKQ HLINHTPWGA KITVEIDDIN  
 QPFSTDITGP AMSTLASCLS AAYEGKDLVT ESGGSIPLC TELIEVNP

> RXA00907 (1-123, translated) 41 residues  
 LALYGVVEPL TVIHSANESV DPNEIRDIAT AEALFLLNYT K

> RXA00912 (1-273, translated) 91 residues  
 MDNTLYTAGL TIAAAFFMLS FIFTIYRIIV GPNSIDRLG LDGTVSMIQC SMATYICWTL  
 DTTVTNFMV IALLGFISSV SVARFRKRDG A

> RXA00944 (1-972, translated) 324 residues  
 VDFWTILDTM TSLLTPIAIR GLEIPNRMWL APMCQYQANN LDGVPLDWHL VHYGARAVGG  
 FGLLIAESTG ISPEGRISR CTGLWNEAQV EAWERITNFV HAQGGIGVQ LNHAGRKAST  
 YPALPNFPTG TQSVDEGGWE TFGPSAVAQP GLADPTLRL EGIEKVIQDF AAAAERAVRA  
 GFDAVEVHGA HGYLLHQFLT PLANKRTDIY GGSFENRRL FREVAQAIRA VIPGSMPLIA  
 RISATDWIDD EPSWDDQTV SLVSGSEKAG CGCSRYFHRR CSTRDNPCGA ELSSEICSSC  
 EARGGYPYLR GWINYSKSGS AGAS

> RXA00961 (1-432, translated) 144 residues  
 LENWRIGRML LLGDAAHAPL QYLASGAVMA MEDAEAVLF AADAARAGNL DWEEVLAEVE  
 AERRPRCSRI QTVGRFWGEL WHVEGTARLI RNEVFRQADR NGWFIYADWL WGYDASKRAH  
 IANPELGEMP QALKEWRYAL LEQK

> RXA00964 (1-1125, translated) 375 residues  
 MGAPGKNDYA TEHVQEVPP ATPEEQALD TMYKRMDDLH LKPLWTQIGG LMPNHPEPRA  
 VAHKWDWAE LKLAQRSGEL VPVGRGGERR AIGLANPGLD GNTYISPTLW AAIQYLAPGE  
 NAPEHRHSQN AFRFVIEGEG VWTVVNGDPV PMRRGDFLLT PGWNYHGHNN IATEPMAWLD  
 GLDIPFAYQM DTGFFEYGTG KLTDESTPDL SRSERLWHP GLRPVSFPKG TSYSPIGRYA  
 WEHTDAALND QLALEEAGHP GTVAPGHAII RFSNPTTGGD VMTTIRAEFH RLRPGASTAP  
 IHEVGNRCFQ VFEGSATINV GDKTFEANHG DVINVPSWQK WNIVAGSDGV DLFCFSDTPI  
 FEALNLARTF TPEGI

> RXA00977 (1-1014, translated) 338 residues  
 MPTAAAQENI RWECCPPQVD IASACGSID VPMHYSDPSL GDISVGFVKV PAQGEKHGTI  
 FGNSGGPGGD AYSFFGSQSM NWPEAMYQNY DLVAVQPRGM VGSTPVNCDN IAPGYDFLSL  
 LTREGAFVKE SCEIGTPGYT SSLTTDNAN DWERVRQALG DDKISIFGLS YGTYLGSVYA  
 TRYPQHTDKV VLDSAMAPSL AWNGIMASQE QGYKNSLND FTWVAENNDT YGLGTTPLAV  
 YQNSNKKIVA ETGTNPTVAP PPAQVGDVPP AFAWAGQAGA DMMTATNPTS VQLQGLATQL  
 LNPGSNQSLS PLLNVTRAYI PQPSTWPLMA GAISGQTP

> RXA00982 (1-246, translated) 82 residues  
 SQLAVQPLLL QGTSDPQTPY WTHNELADAM NAHVVTVNGP GHGQSIGGTN QAINDIVVDY  
 LRTGHTDATW VEGNTPTPIT AG

> RXA00983 (1-1197, translated) 399 residues  
VTAGETTTMN VTLTNPFDNA IFDRAVSLER PEGWQAEDVR VSIPSGESVT IPVQVTAPLV  
ADNGELPVEV SILDGADRYT GRLNLTVQGG QEPAPTSVKV SIPNLKDTYV AGEKISINFA  
VNNPFDVTN SVPSLGEGEN WMPANLRGFD PEQGTPTNCRY KNLGANKSYD CTTTTYEVS  
LDVERGYVDI PTVWTFNTSA GETVWSKNVD VPRVELNGTQ DAVTDAIVTV DPINPVHSNG  
QSQTVEVQAN VTSEGDLPAQ SKVAFYLDSS PIDTAAVDAE GHASISIDVD NIASEQPERT  
FEVRARLVVP EDAPRSIARD ALARFTVLSE QVQQNSLVIM NHPDVFSDGQ TKTIVIAAKA  
TAHDGSPAII GTLIAFRVNG IERDVVPTNA QGTAKQLD

> RXA00984 (1-417, translated) 139 residues  
QRGTPVLLGE TPWMKTKIVE LSDGTLMNNS RSSGADTYRK VSYSTDGGVT WTEPTLDTQL  
PDPRNNASLI RVFPTAPEGS AQAKVLLFSN TATTSGRTNG TVRMSCDDGQ TWPVSKVFEP  
GAIQYTSMAT LPNGDIGML

> RXA01014 (1-1578, translated) 526 residues  
DDLWLNESFA TWSAAISQAE ETEYNTAWVT FANVEKSWAY QQDQLPSTHP VFSDGYDIET  
VDQNFQDITY AKGASVLKQL QAYVGREEF L AGVRRHFANH AWGNASFDL LGALEQSSGR  
DLSWANQWL KTTGINTLGA KFTTDNGKYT SFSVTQTGAA PGAGELRTHR IAVGLYKLVD  
GSLNRYARVE LDCSGASTSV EEIVGLEQAD FVLVNDLDDLT YALLDLDDDS RNFVIDNIDK  
FSDPMPRTL V WSAAWEMTRA GQMKARDFIA LVARGAAET EIAVLERILA QATSALKSYA  
DPAWAEATGN DLLADAFLEG ARSAEPDSDT QLAFIQALAK ATLNDAAADY FRDILAGNVE  
GLTVDPDLRW WALTALIARG DIEAVEDAIA AELSRDNSSA SFLASLRAGA AVNTEEVKAA  
AYKHVPAVDS GLSNLELRHK IEGLTFTGSF ELLQAYNEQY FEILDDVWAN FSGEMAQQIV  
LGLFPSWNVS EEGLKRTDEF LDGEHVAGIK RIVSESLDRT ARALRN

> RXA01018 (1-864, translated) 288 residues  
LTSTNLTRQE ASDRSRLLSV ENYDIALDLN NGDEFFSSST VVSFTVRKAG DTFIDLRAAS  
VEEVRLDNVS IKDEALTGK NGYDETFGIA LKGLTPGAHT LRVTSIPYS RTGEGLRHMV  
DPADNEVYLY TQFETADAKR MFACFDQPD L KATYDLNIKT PKGWKIISNS EQQVSTQHTD  
YDTHISRVDY PLSTYLIACV AGRYHEVCDV WKGTLTTHAE TPADQPTLT VPLALYCRSS  
LAKDLDAVRL FTETKQGFWD YHRNFGVAYP FGKYDQIFVP EFNAGAME

> RXA01022 (1-804, translated) 268 residues  
HFSDGSLYAT ADVIFPVLHG RFGEDGTVOG LFA LSDIPV GPGVLASAAG MDKEYTKKLM  
AAEGLPVGRE VILRDRTLT EAEKNLLGLP VFVKPARGGS SIGISRVTAW EDFNKAVGLA  
RAHDEKVIVE SEIVGSEVEC GVLQYPDGRI VASVPALLSG TESGAGGFYD FDTKYLDNVV  
TAEIPAPLDE KTTIELIQSLA VESFQALACE GLARVDFFVT ANGPVLNEIN TMPGFTPI SM  
YPQMFTASGV AYEELLDVLV QQALHRDN

> RXA01055 (1-102, translated) 34 residues  
MWGVVLGPAT GKYLAE LMAT GNTNPIIKPF DPLR

> RXA01056 (1-900, translated) 300 residues  
MSSSGKVIVV GAGIVGLATA WHLQEHGFEV SVLDRDGVAA GSSWGNAGWL APAKTIPLSE  
PGLWYGPKE LFNVPSPMHM PLRVDPKLWL FLAQFMAQAF QRKWDSTMA D LTEIDKVALE  
AFDELSIGGV EGLTHEGPFV IGFEERQSA GFRKEIDGVS RHGQKVEMSR LENPQELAPM  
LNEQIQVAYR LEGQRFIEPG PYVQSLADAV VKRGGVIRAG AEVVHVAKGD RPAVILADGS  
REEADKVVVA TGAWLPGLTR EYGVKTLVQA GRGYSFSVAT DIPAKHSVYL PHHRHGLHAV

> RXA01057 (1-1503, translated) 501 residues  
LPEGQSGTIV LVSDGIATCT PPPVCEVAAE LADQGVDLVI NTVGFNVDES ARAELECIAQ  
AGNGTYADAS DADSLVAELK RAATRTAVGY ESDLEQIDGN SSQTSLTPI P DDVELFKADL  
PALDNKDGEV TQYWSIPVED YERVQVTTSY VAPVTFGLGN DYLSIRNELL FGDEQDQTC H  
RSISNDQILD NYGARPLVAS VESDVIGDKC DTDELVLAIT RSQPFNWEEE LPVEIVVKRL  
NHADTSGPL L GDQQREIPDL DVAAVQTWAP TTGGSWFTNA TELTPGEGVE AEIVPGENHV  
YRLPMATGQQ LHGFVEVVEN TAPDDPGVTD KLGVAVYSPT RQDAGVDMWT DIAPREGTSE  
YFAAPVALTY LNMFPAGEGGF GTTSKATSTF TFEGDYLLV HYDDLSGSTI RDASNQQSFP  
LRYRLAADA F GDAEPGPVFE KVSATTSSE SPSTQPDEPA QNTATEESST GISPLIVGAI  
VALILAFAAF ASWLVLKGRK K

> RXA01059 (1-609, translated) 203 residues  
 MTTVTQDLLA LDEDAQNLLF REARTANAFT DEPISEDEQIE AIFDLVKWAP TAMNSQPLRV  
 VIVRSEEAKA RLVPLMAEGN QAKVAAAPAV ALLAADIDFH EEMPKLFPPF PGARDMFEAD  
 EASRASSAEL NAGLQIGYAI IGIRAAGLAA GPMTGMDADA ISKEFFPDGR HRVLVAINMG  
 KPADNAWYDR LPRLEQDEVV ETL

> RXA01073 (1-831, translated) 277 residues  
 MTNTQTETIIN ELKVSPAIDV AKEVEFRVQF LVDYLRASHT KGFVLGISGG QDSTLAGRLT  
 QLAVERIRAE ENSTDYVFYA VRLPYAIQAD EDDAQVALEF IAPDKSVTVN VKDATDATEA  
 TVAAALELPE LTDFNRGNIK ARQRMVAQYA IAGQLGLLVI GTDHAENVNT GFFTKEFGDGA  
 ADLLPLAGLS KRQGAAILEH LGAPSSSTWTK VPTADLEEDR PALPDEEALG VSYADIDNYL  
 ENKPDVSEKA QQRIEHLWKV GQHKRHLPAT PQENWWR

> RXA01082 (1-660, translated) 220 residues  
 LTQWGNNSNV EDYLTALFRA EEWDEEPTTG KLAEVIGVTA STVSATLKKL NPEGFVNYP  
 YGDIELTPAG RDIAINVIRR RRIIETYLSE KLGLGAHELH GEADLLEHAV SPLVLEKMFQ  
 AVGYPTLDPH GDPIPTESGE MTINDGLMLL GLKAGASATV TRVRDGNPSV VRYLTGVGIT  
 VGTTVTVVEA LSDIATLRLQ IGEMFQDIPL AVANAVRVSR

> RXA01090 (1-312, translated) 104 residues  
 MALPLPSKSA RALVTGASQG IGLAIAKDLA RYGHNLILVA RREDVLKEIA ADLEKKHGV  
 VEVRPVDLSD EPARKVLIDE IKTREINIII NSAGIGKLWA VQGP

> RXA01113 (1-237, translated) 79 residues  
 GDIWERPGLD HTQRRLLTIA ILTAVGNDGE LDMHIRAALR AGVDQETIGE VILHTAVYAG  
 VPNSNHGFKL LNNAVSDLQ

> RXA01117 (1-741, translated) 247 residues  
 MINKSISSTA EAVADIPDGA SIAVGGFGLV GIPTALILAL REQAGDLTI ISNNLGTDFG  
 GLGLLLLDKK ISKSIGSYLG SNKEYARQYL EGELTVEFTP QGTLAERLRA GGAGIPAFYT  
 TAGVGTQVAE GGLPQRYNTD GTVAVVSQPK ETREFNGQLY VMEEGIRADY ALVHAHKA  
 FGNLVFRKTA QNFNPDAAMS GKITIAQVEH FVDELHPDEI DLPGIYVNRV VHVGPQETGI  
 ENRTVSN

> RXA01120 (1-1278, translated) 426 residues  
 MARMQESADL LKCSFCGKSQ KQVKKLIAGG AVYICDECIE LCNEIIEEEL GQAQHDEQER  
 NELPKPSEIS AFLDITYVIGQ DPAKRILSVA VYNHYKRLRA SETIGRRRND EPETELVKS  
 ILMLGPTGSG KTFLAQTLAK LLDVPFAIAD ATSLTEAGYV GEDVENILLK LLQAADFVDE  
 RAQRGIIYID EVDKISRKSE NPSITRDVSG EGVQOALLKI LEGTVAAIPP QGGRKHPNQD  
 FIQLDTTNIL FIVAGAFSGL EKVIADRNGK KGLGFGVEVS SKKEEANIVD IFKDVLPEDL  
 VKFGLIPEFI GRLPVVATVS NLDQKSLVKV LTEPRNSLVK QYRRLEFEMDD AVLTFTDDAL  
 EEIANQALER KTGARGLRAI MEEILVPIMY DLPDRKDVGE VIINGAVARG EAPEMLEAV  
 AEEKTA

> RXA01224 (1-1023, translated) 341 residues  
 MSILDTLKTTP VIVAPMAGGP STPALVNAAA EAGSLGFLAG GVMPLQLKQ ELSEVKGVFG  
 VNLFRPQTDA PKPSDIDELA GLLSSAFRQF GLDEPTVPTP DLSNGWEAKF EAVLAAKPAV  
 FSCTFGIFSA EEFARIKATG IEAWVTVTNP EDALAAQKAG ANALVVQGPE AGGHRSTWSI  
 EVEPDERDLK TLLAAVKQAG VYLPLIAAGG LSTADVAAI LEAGASAASC GSAFLLSDEA  
 GTSSLNREIL DAAPALGLES VSSRAFSGRY ARGVETRFTR SNEGLPPLYP YLNPMTSLR  
 KVAGSAGNWD YAYCLVGVGL ESIKGSQAKQ ILESLTSPSAL G

> RXA01126 (1-564, translated) 188 residues  
 SAESLPPTLF LKPPTAVTGP ESPIRIPSFA TKVEFEGELA VVIGKPCKNV KADDWKS  
 GFTIINDVSS RDLQFADGQW ARAKGIDTFG PIGPWIETDI NSIDLNLPI KARLTHDGET  
 QLKQDSNSNQ MIMKMGEIIE FITASMTLLP GDVIATGSPA GTEAMVDGDY IEIEIPGIGK  
 LGNPVVDA

> RXA01147 (1-1260, translated) 420 residues  
 MHVTDDFLSF IALSPSSYHA AAVERLLH EGFIRQEDTD EWDARPGGHV TVRGGAVVAW

WVPEDASPDG GFRIIGSHTD SPGFKLKPRG DLSSHGWQQA GVEVYGGPIL PSWLDRELAL  
 AGRIVLADGS VKLVNTGPIL RIPHVAIHL RTVNSQLTLN PQRHLQPVFA VGEVDVSILD  
 VIAGAAVVDV ADIVSHDLIT VATQDAEVFG AHGDFLASGR LDNLSSVHPS MTALIAASQS  
 DDTGSDILVL AAFDHEEVGS NSTSGAGGPL LEDVLNRTAR ALGADEDERR RMFNRSTMVS  
 ADAAHSIHPN FPEKHDQANY PIIGKGPVLK VNANQRYTSD AVTSGMWIRA CQIAGVPHQV  
 FAGNNDVPCG STIGPISATR LGIDSVDVGI PLLSMHSARE MAGVKDLMWF EQALEAYLVN

> RXA01151 (1-858, translated) 286 residues  
 MSSPTDSSPS NSFSDFNREE QSRLSDEVRO LKRTNSDLGA RNAKLAEMLK SSRDKLSVLF  
 SQLEDMAQPP SVYGTFLTA KDGSNAEIFA GGRMRVAVS PMLCAADLMP GVQVRLGEGN  
 QVLEACDFEQ TGELATLMEM IGRDRALVSD RSGEERVVKL AGPLMDRTAK LPRPGDTLLV  
 DRKAGYAFEA IAKTEISRLA LEEAPDVSYQ DIGGLDDQIE LIQDAVELPF LHPEMYRAYN  
 LHPPKGVLLY GPPGCGKTLI AKAVANSLAN RIGETGTSYF INVKGK

> RXA01161 (1-1137, translated) 379 residues  
 MSDPSTNNFP TSVYAQRLAD AQEGARKAGL NGLIIGTGAE LAYLTGSWIS THERLTALVI  
 PSEGATIVL PAVDRGDLAL SAIPGLDINV AGWVDGDNAL ELAVDALGVS EFELGIGSS  
 ITADHLIPIQ NLVGSTCRME LAVQVLKELF VSKDEAEIEQ LRGAGAAIDR VHAKVPELLO  
 DGRTEAEVAA QLNDLILEEH SEVDFVIVGS AENGANPHHG FSDRVLRNGD IVVVDIGGTF  
 GPGYHSDCTR TYIVGGNPDD ADPEFAKFYQ VLYEAQLAAV AHVRPGVTAE SVDVARDHI  
 AAAGYGEYFI HRTGHGIGLS THEEPFIMAG NSLVLEAGMA FSIEPGIYIE GIHGARIEDI  
 VVVNEDGCET LNNQPKELR

> RXA01181 (1-957, translated) 319 residues  
 SVLLARDLVN TPSSHLYPES YSVIASNEAS KHGLQTTILD EKQLADQGFQ GILAVNGNSS  
 RKPRLLRIDW KPRKAKKSIA LVGKGITFDT GGISIKPGAS MENMISDMGG SASVLATIIA  
 AARLNLSINV FAFLPMAENM PSGDAFRPGD VITHFGGITS EILNTDAEGR LILADAIAYA  
 SEDKPDYLD AATLTGAQLV ALGLRTSGVM GTDEFDRDVA KTGREVGEQA WAMPLPEELD  
 EQVKSPVADL RNVNRSFAG MSAAGRYLQE FVGADIEWAH VDIAGPAYNT AGEFGYTPKR  
 ATGQPVRTFV QVLKDLSES

> RXA01182 (1-393, translated) 131 residues  
 VFNLFGKTP RSNLRPPRGP GDTVRPEDLK FLMQWVQDKP FVEAFVEPET LVNEMSVVLV  
 DAHGVEFRRR IGGPKGIDVI AKKLGVPVYD VEETGYPQRM RERIEYERIL RKREEQKARR  
 AKFERGENPD L

> RXA01189 (1-609, translated) 203 residues  
 MISISIADDE ALIASSLATL LSLEPDLVDR PTAGSGEELI ETWADPSNRT DVCVLDLQLG  
 GIDGIDTATR LMETTPDLAV LIVTSHARPR QLKRALAAGV LGFLPKTSTA DEFATAIRTV  
 HAGRRYIDPE LAAMTISAGE SPLTNREEEV LELAGQGLSA EEIAVAHAHLA PGTRNYLSQ  
 AMTKVGAQNR FEAFTRAREL GWL

> RXA01192 (1-573, translated) 191 residues  
 VAARYADTYL TWGETPDQVA QKINWINELA AQRGRELHNG IRFHVITRDT SEEAWVVAEK  
 LISGVTPEQV AKAQAGFATS KSEGQRRMAE LHSKGRAFTS GSTARDLEVY PNWAGVGLL  
 RGGAGTALVG SHEEVADRIE EYAALGLDQF VLSGYPNLEE AFHFGGEGVIP KLLRRGVDIK  
 NQESRVLEPV G

> RXA01214 (1-1491, translated) 497 residues  
 VLAATVVGAQ VLVACSSDDV RGYGGEPTL PIPPADLGTR EGSSVHFALE AQTGESQILP  
 DVTTKTWGFN GTHLGPTLVV KKGDDVHVDV INNLDGMTTV HWHGMKLPAL ADGGPHSPIG  
 PGQTSWPTWT VANDAATLWY HPHTHGLTGL HAYRGLAGMI IVEDEATDKL DLPREYGVDD  
 IPLVLMDHRF LEDGSLDEED LPDLGLLGDT PTANGITNAH FDATAITRRVF RVLNGSNMRF  
 YNLAFSDTRT FQVIASDSGL LDEPQDRITL AIGPGERWEI VVELEPGEDV TLESVGFEDN  
 YGVPPDEFV DFGMSDSFQL LTITGPSDDA AQAPALPGVL VKSTEPDVID ATERTFIMNT  
 FSINDLQMD QRVDDVIDHD QPEVWIVTND NSDWPHNFHV HDARFKVLKF EGTDELVELND  
 GWKDTVGLPP GATATLAVEF GHYPDPQWY MYHCHMLYHE DQGMGQFVI VEPGDEPAAV  
 LSGTGSSID SAGGHAH

> RXA01224 (1-1023, translated) 341 residues  
 MSILDTLKTP VIVAPMAGGP STPALVNAAA EAGSLGFLAG GVMPLEQLKQ ELSEVKGVFG

VNLFRPQTDA PKPSDIDELA GLLSSAFRQF GLDEPTVPTP DLSNGWEAKF EAVLAAKPAV  
 FSCTFGIFSA EEFARIKATG IEAWVTVTNP EDALAAQKAG ANALVVQGPE AGGHRSTWSI  
 EVEPDERDLK TLLAAVKQAG VYLPLIAAGG LSTSADVAAL LEAGASAASC GSAFLLSDEA  
 GTSSLNREIL DAAPALGLES VSSRAFSGRY ARGVETRFTR SNEGLPPLYF YLNPMTSLR  
 KVAGSAGNWD YAYCLVGVGL ESIKGSAGK ILESLTPSAL G

> RXA01232 (1-687, translated) 229 residues  
 MSRQXXTYTD KDISQFHWTN GLPPTDDESP EWIAARDNEW EGYTITLGDD PNGTEKTITL  
 DDLRELQTS YVAVXXXXQX LGQXXPPXPX GAGYRDVLCH DLVHTLDLHH RHPRLLTIE  
 IIPKPLPET RCKIIDFDLF APNSPSIEEF CSRLKISRRS FYNIRNRYQQ DASAALHPRS  
 SAQITSRRY DESITSIXVG HXAHRLKAQG XGIRSDLYPI XKASXTXGN

> RXA01236 (1-945, translated) 315 residues  
 VLVATALIAG CSSAEDGTVD SGSSTEVTIT QSKEGFPVTV TFAPEAPVTI EDQPERIVSL  
 SPAITETLFA VGAGDHVVAV DEYSNYPEDA PLVQGLSGFT PNVESILDYD PDLVVLMSAD  
 DSILTGLDAA GVDTLVIPAA ENLDETYSQI EQVGRATGFE DQATTVVDDQM KTAIDAAVAT  
 VPEEVKEQGL TYFHELGSGL FTVSEQTYIG QIYDMFGLTS IADGGDAYSQ LSNEAIIAAN  
 PDLIFLSDAK AENLTAEDIA ARPGWDTIDA VANGRIYILD DDIASRWGPR VSQVVEEIAA  
 QLNQLASSEA VPAAA

> RXA01250 (1-588, translated) 196 residues  
 LDIGGIEAKT WGYVSDTGDA AIEATAGDVL QVDITNDLPE STSIHWHGIA LHNAADGVPG  
 MTQDPIEPGE SFSYVFEVPH GGTYFYHSHS GLQLDRGLHA PLIIRDPQDA EDQDVEWTIV  
 LDDWVDGIQG TPDDELDKLT GMGSGDHNGR MGMGGHGQMM HGTPDRVLGG DVGDVMYPHY  
 LINGRIPRAH RTFEAR

> RXA01254 (1-1269, translated) 423 residues  
 MKLSLPAPLR RLRSAIIIS AKVATSASKA TGRSGGMIG GLVASKVDPD IMSNLINNR  
 TVLVGTNGR STTTRMLAA MRSTYTVATN EGGDNMDAGI ISALLAGRNA SHVVLEVDEL  
 HVPAAIERLK PDALVLLNLS RDQLDRVGEI NKIERVLRDA VRSRPEMTVI ANCDDELVTS  
 VAFDAENVIV VGAGTGWQGE SATCPRTESR ILHDGRHWSA EKTLLDGRTF ARPTPSWEVD  
 GDTIHSPSGD LTLDLNLPGQ ANRGNAQAII AASTVFNVV SSALPAVNSV NNVAAGRYSTI  
 TVGEHKVHLL LAKNPAGWQE ALSMVDRTAD GLVIVVNGQV ADGEDLSWLW DVRFEDFENL  
 SVKASGERGT DLAVRLTYAE IDHELISNPV DAIAACPPGR IEVLANYTAF RDLKKALEKG  
 TEQ

> RXA01257 (1-846, translated) 282 residues  
 MHVAELSLPT GIIIAATPLG NIGDASPRLV HALANATVVA AEDTRRTASL AAALGVEIKG  
 QLVSNFDHNE QARVGKLIEA ARTGTVLVVS DAGMPVVSDD GFALIDAAHD ANIPVTCFPG  
 PSAVPTALAL SGLHVGRFAF DGFAPRKQGA RTTWLESLKT EKRAVCFEES PHRIAETLAH  
 AAEVLGERRV AVCRELSKTY EQVKRGTLPE LAEWAQDGVR GEITVVIEGA GDIAADVDSL  
 IDAAQQRVDS GERLKAVCAD LAKIHGVSKN ELYDAVISAR EN

> RXA01270 (1-1155, translated) 385 residues  
 MTNERIFLSS PDVTQLEEDA LVRAIRSGWI APLGPEVDAF EQELAEYCGR KYVVALSSGT  
 AALHLGLLAL GVGEGDLVLT SSMFTAATTN AIVYTGAPEI FVDCDESGNM DDLLEKAF  
 ELKSEGKEVK AVVPVDLLGK VVQHEKIKKI ADEYGAVVLS DAAESLGAIR NGKSAAAYGV  
 AAASFNGNK IMTTSGGGAL LTDDKDIADN VRYLATQARQ PVVHYEHTDV GYNRLSNIL  
 AALGRAQLSR LDKMIERRRQ HRAFYRELFA GVSQVEIFGE PSGVDGGDTI DNEWLTSILI  
 DKEVAGFSSE DLRSVLNQAN IESRPLWKPM HLQPVFKKYR SFTNEEGQRL FDSGLSLPSG  
 SVLDNASMNR VETTIGQFLE SQHAI

> RXA01277 (1-1689, translated) 563 residues  
 MTDYTFLEDI DTPEALAWAE KWSGESVEKL KSPAKDALEA RLLAALDIDD RIAYVSRRGE  
 KLYNFWRDAQ HPRGVWRTTT LESYESDQPE WDVLDLVDAL AEDEGENWVW KGAVVRSPEF  
 DRALVKFSRG GADATVIREF DLATAAFVDD SPFELKEAKS DVTWVDLDTL LVGTDGEGS  
 LTDSGYPARV LTWKRGTPLQ QAEFFEGSR QDVATHAWRD STPGFERTFV SRSDFYNSE  
 TSLETETGLV KGLDVPTDCDV IVKKQWIFVS PRDFAIGIPA GGLGVLLLKE FLEGGDFQF  
 VFTPTTESTSL QGLATTKNFL VLTLLNNVST EIVTVPLNDP TTEHEHIDL EHVTAHVAT  
 SPLDGEIIV QAASFTEAPT LLRAELPGAL EAVKKAPLQF ENAGQETRQH WATSADGTKI  
 PYFITGAFEE EPQNTLVHAY GGFEVSLTPS HSPTRGIAWL EKGYYFVEAN LRGGGEFGPE

WHSQATKLNK MKVWEDHRAV LADLVERGYA TPEQIAIRGG SNGGLLTSGA LTQYPEAFGA  
 AVVQVPLADM LRYHTWSAGT SWM

> RXA01288 (1-375, translated) 125 residues  
 MNGIGGSGDF TRNAFASTFI SPSAAKVDIAI SAIVPFASHI DHTEHDAMVV ITEYGYADLR  
 GLSPKQRPVK MIAIAHPDYR PLLEAYFDRA LNSADSYQHT LHDLRTAFDF HNRLNSQGT  
 KIEKA

> RXA01302 (1-366, translated) 122 residues  
 MTTTTSSGKS SEKINPLFKL GSFLRKGTVG SEGQQIFLQG GRQADV FYRN RWAFDKVVRS  
 THGVNCTGSC SWKVYVKDGV ITWESQAVDY PTTGADMPDN EPRGCPRGAS FSWYTYSP  
 IR

> RXA01303 (1-1335, translated) 445 residues  
 VTQLNTKGVV LQGWDPEDPE HWDSKIAWRT LWITTFSMII GFCVWYLVSA IAPLLNRIGF  
 DLSAGQLYWL ASIPGLAGGL IRLIYMFLPP ILGTRKLVGI SSGLEFLIPMF GWFLAVQDSS  
 TPYWLLTLA ALTGIGGGVF SGYPSTGYF FPKAKSGTAL GIQAGIGNLG VSIIQFMGPW  
 VMGFLLGIG FLTPQRTIEG TTVFVHNAAI VLVPTILAA VLSFLFLKDV PVTANFRQOI  
 DIFGNKNTWI LSIIYLMTFG AFAGFAAQFG LIINNNFGIA SPMAETYPAE MLHAGATFAF  
 LGPLIGALVR AAWGPLCDRF GGAIWTFVGG IGMTIATAAA AIFLSRAETP DDFWPFLWSM  
 LALFFFTGLG NAGTFKQMPM ILPKRQAGGV IGWTGAIGAF GPFIVGVLLS FTPTVAFFWG  
 CVVFFIIATA LTWIIYARPEN APFPG

> RXA01307 (1-681, translated) 227 residues  
 VLAWRDIVET PEKRKAYVSQ RGKGGILRVQ YEEAMEIAAA AHVYTIRQYG PDRIHGFTVI  
 PAMSQVSYGA GTRFLQMIGG VALSFYDWYA DLPPASPQTF GDQTDVPESG DWYNSSYLMM  
 WGSNIPVTRT PDSHFMEAR YKGTKVVVVS PDFADSTKFA DEWARIHPGT DGALAFAMGH  
 VILKEFHVDK KTPYFMDYMR KYTDSFPLVE LDEHGDGTYT PGKFLTA

> RXA01308 (1-1206, translated) 402 residues  
 AATPNATHRL LVLQKDGSVV DPGGTVADRW GEEGMGKWNL RLDGVDPVMT IADVQTDDET  
 AEVLFPFRDL PATATQEGPI GAGTISRGPV TITLNGRKYT TVFDVLLAHY GVNREELNLP  
 GEWPKDFQDP VMGTPAWQEE LTGV PANQAI RLGREFAQNA DSKGRSQII MGAGVNHYFH  
 ADSIYRTFLA LTSMTGQGV NGGGWAHYVG QEKLRPMNGW AQYAFATDWQ RPPRQMITTG  
 FYYLTDDQWR YDNTRANRLA SPLANRGTVG DKMTADTLVE SMKRGWMPSE PQFNRNPLIL  
 SQEAEKEGVS VSDHIVQQLT DGDLQFACED PDAPENWPRI LLNWRNLMG SSAKGTEFFL  
 RHMLGVDSDA SAEKNAPEDR PSSIVWRDEA SEGKLDLMLT TD

> RXA01309 (1-669, translated) 223 residues  
 IADHEGTHIN WDMVKERSAE VITSPEWTGS KKDGRRYTAF SINIEYDKPW HTLSGRMHY  
 LDHDFWIDYG EQLPIFRPPL DKIHINGEVG PGQSVTGTG EPEVTVRYLT THNKWSIHSQ  
 YYDNLHVLSI SRGGQVIWMS NKDAEKLGA DNDWIEAYNR NGVVSARAIV SHRIPEGT  
 MNHAQEPTAG TPLNEKSGRR GGTHNSLTRI MIKTVHVAGG YGT

> RXA01324 (1-300, translated) 100 residues  
 MSNSECHTHG YIEEKQRYLA RLKRIEQTR GIHRMIDEEQ YCIDILTQIS AVNSALKNVA  
 FGLLDDHLAH CVKEAADLGG DELDAKLKEV SDAIARFSA

> RXA01340 (1-990, translated) 330 residues  
 VGPVLAITPW NFPIAMATRK IAPALAAGCP VLVKPASET P LTMVKVGEII ASVFDTFNIP  
 QGLVSIITTT RDAELSAELM ADPRLAKVTF TGSTNVGRIL VRQSADRLLR TSMELGGNAA  
 FVIDEAAADLD EAVSGAIAAK LRNAGQVCIA ANRFLVHESR AAEFTSKLAT AMQNTPIGPV  
 ISARQRDRIA ALVDEAITDG ARLIIGGEVP DGSGFFYPAT ILADVPAQSR IVHEEIFGPV  
 ATIATFTDLA EGVAQANSTE FGLAAYGFSN NVKATQYMAE HLEAGMVGIN RGAISDPAAP  
 FGGIGQSGFG REGGTGEGIEE YLSVRYLALP

> RXA01354 (1-936, translated) 312 residues  
 MKISRRALFG TLLGATTALV TACAQSSQNQ NSSASSSSSS SAESSTSSSS SDEQRIVALN  
 TGQLDNLLLL GITPVGAAA KNSDLIPQL KDRFGADMDL DSIADCGLRQ SPDIEAIANL  
 NPTLICANSR ADEEVLNKLR TIAPVVTGEG GGENWKQDLL TIAEAAGQKE KAETLLKSYE  
 DSAAEIAANQ PANPPTVSFL RTKDQEFQMY GAQSMAGTVA ADCGYARPEN QQFTDTAGQD

LSAELIAQAD ADWLFYGIKE GNINPEDTPL WTSKAVQSN QAIPVDGDSW YLNASLVSAE  
IILQGLKDNV TV

> RXA01358 (1-1521, translated) 507 residues

MALGRITISTA QLGVQAKIVR VEANVGPGLP GTYIVGLADT AISESRDRIK TAVQNSGLMW  
PKTKVIINLS PASMRKQGSQ CDLAMTVAVL VAHGSNPKAK FHAQNTLFLG EVALDGTLLP  
VTGVLPALLA AKEEGIGKIV IPEGNAQEAG LVEDPSVFLA HSIDQVLRWL DGEEALPQPG  
LFNDENSLKL PDMRDVVGQP EARFAAEVAA AGGHHMLMIG PPGSGKSMIA ERIPSLPEL  
SPQQMIEATA VHSVVGRTFS GPVSRAPFIS PHHNVSKAAL LGGGSGSPLP GAISLAHHGV  
LFLDEVSEIP ASILDSL RTP LEYGSIRIIR SRHDVTFPAQ FQLILAA NPC RCGAEQPOEC  
VCSGSARATY LNNLSGPLRD RLDMMVATHS KGAVLRSDDV EASAPIADRV AQARERAAFR  
WRRSGLGNLV NAHVDPHFLR RNFAATEDAM VYLGAFLAEG TISQRGCDRA IKLGWTLCDL  
DGEQQPNLDH IARAMELRGT TYSEVAA

> RXA01385 (1-1881, translated) 627 residues

MQFHYEGYAT GDPMEMRAEG SGINRPDDL P EVMDVLIVGA GPAGTIAAAQ LSRFPNVTR  
LVERSDRRLE LANADGVHSR TIETFQAFGF AHEILAE AHE ITDMAFWKPD PQNPRIIRD  
NSTREL PQHI SEFPMALLTQ TRIIDHFNRF MKNSPTRMKP DYG YEFVDFE VEEDA EYPVI  
VTLRRTSGEQ TGELVTVRTK YLVGADGARS QVRKSLGYRL QGKQANHAWG VMDIHANTEF  
PDVRKKCTIK SDSGRTILLI PREGGFLFRL YVDLGEVPDD GSKAVRDTPL QDVIDTANQI  
MAPFTLDVKN VVWNSIYEVG HRVADHFDDR VSEKTSSEHP RIFIAGDACH THSAKAGQGM  
NVSMQDGFNL GWKLGHVASG NSPRELLQTY AEEREDIA YK LIEYDKNWST LMAKPSSEMG  
SAQDLED F YR ANSEFNAGYM THYPSSITM DGSNQDLAKG YPIGRRFKSA MVGRVCD FTE  
THLGHQATAD GRMRA YVFAG SDALNGEGSE LDRWA EWAEA NLDPTLVDAK VIYQSPYTEL  
DTRQVPSVFK PAVGIFELTN VENSFGITTD SDIFDSREIS RDGVVVVVVRP DQYVSGIFPL  
TDTQGLGEFL TGYFPMKGA HQLINAN

> RXA01412 (1-204, translated) 68 residues

MALKNYTVEG MTAHCVASV TEEVSEVNGV SAVDVTLESG NVAVS GEGFS DAEIQAAVEE  
AGYKIVAS

> RXA01426 (1-627, translated) 209 residues

MTTPPAAAEI FGDNLEKAIA YHESLATDGS VRGFIGPREV PRLWDRHILN CGVIGEAMDE  
GISVADIGSG AGLPGIPLAI ARPD LNITLI EPLLKRSVYL NEVKEALNLD NVTTVVRGAE  
EKVVRKQVGL VDIVTSRAVA PLGKLATWSL PLVKIGGRMV AMKGSSVEEE IERDAKEIRK  
AGGTDIKVYT VGEALLSEPT TLISIRREK

> RXA01427 (1-921, translated) 307 residues

MEDTTWEDTP IAAARRAAQ VMTPNSLTLP KPKEPRLITI ANQKGGVGKT TSTVNLAASL  
AIHGLKVLV DLD PQGNAST ALGVEHRSGT LSSYELLIGE CTAD EAMQPS TANENLFCIP  
ATLDLAGAEI ELVSLVRREY RLADALGREF IDKHDFDYMI IDCPPSLGLL TINAMTAVNE  
VLIPIQCEYY ALEGVQLLN NITMLRQHLN RQLHISAILL TMYDARTNLA EQVATEVNDH  
FGDVVLGNKI PRSVKVSEAP GYGQTVIEYD PGSRGAMAYL DAAKELATRG DYLPSEDESGP  
IGLKPAK

> RXA01428 (1-1137, translated) 379 residues

MAQNKGSDKS QTEKRKGGLG RGLAALIPSG PSNSPGLGGG AADIILGGTV GARTAAAPKR  
ESTPAAPAPE APAQAAPQHT EATKPEVVPE PAAPAPTQSA QQEAPQAQPA QQSEFGASYL  
EIP IEQIRPN PQQPRHEFDP QALDELVHSI SEFGLMQPIV VRRSEDGYEL IMGERRWRAS  
KRAGLEVIPA IVRETEDSAM LRDALLENH RVQLNPLEEA AAYQQLLEEF GVTQAE LADK  
LGRSRPVITN MIRLLGLPVN VQTKVAAGVL SAGHARALLG LKAGEDAQDT LATRIIAEGL  
SVRATEELVL LHNRGDQDEE KKP REKAATP EVFTRAAESL ADNLDTKVS V MMGKKKGKLV  
VEFGDKDDFE RIMSLIQGQ

> RXA01430 (1-1188, translated) 396 residues

VSKVLRVGDR SPRVAEVRTT LARLG VIEGY SREMSAKTES QKFHEEETLF DEELSLSIKS  
FQQARGV VPS GLIDDPTLRA IREASYTLGT RVLAYQPGNQ LVGDDVVEIQ SHLQELGFYA  
DRVDGHF GEL THKAVMNYQL NYGMQVDGIC GPDTIRALSR LGLRIKGGSA QAIRERERM  
NAGPRLAGKR VVIDPALGGS NKGQIVKGPY GEISEEEILW DLATRLEGRM IATGMETILS  
RPHMDDPSSR DRASIANAFG ADLMLSLHCD SYPNEKANGV ASFYFGSENG TNSLTGETLS  
AYIQKEIVAR TPLNCGSHA RTWDLRLRTR MPMVEVVTGY LTNPDDLAVL TDPQMRDHIA

EAIVVAVKRL YLLDEEAQPK TGTFKFSELL QSEQAG

> RXA01435 (1-870, translated) 290 residues  
 PLDLGFTTEA RQWLETLEGR IGDDWRHKWF SGITYLLDD YATAQVFFNH VLTILPGEAA  
 PKLALAAVDE LILQOIGAES TAYLTPDIVS ATATLSKDFE DLDASAFESL SDTWSHISSD  
 PHVVRFHSLR LYALVWATNP TTVSSAFGLA RQLMAENQIE LAVQALDKLP QSSTHYRMAT  
 LTTILLVSS NLSESRIIRA ARRLTEIPTN EPRFNQIKIA IMSAGLSWLR ERKLKASASA  
 NPLFEYPFSQ KGLRTGISEA LRIQARSAPF PHRYALVDM ANAVRPLSWF

> RXA01437 (1-1383, translated) 461 residues  
 MSDTPTSALI TTVNRSFDGF DLEEVAADLG VRLTYLPDEE LEVSKVLAAD LLAEGPALII  
 GVGNTFFDAQ VAAALGVPVL LLVDKQGHV ALARTQVNNA GAVVAAAF TA EQEPM PKLR  
 KAVRNHSNLE PVMSAELFEN WLLKRAREH SHIVLPEGDD DRILMAAHQL LDQDICDITI  
 LGDPVKIKER ATELGLHLNT AYLVNPLTDP RLEEFQFA ELRKS SVTI DEAREIMKDI  
 SYFGTMMVHN GDADGMVSGA ANTTAHTIKP SFQIIKT VPE ASVVSSIFLM VLRGRLWAFG  
 DCAVNPNTA EQLGEIAVVS AKTAAQFGID PRVAILSYST GNSGGGSDVD RAIDALAEAR  
 RLNPELCVDG PLQFDAAVDP GVARCKMPDS DVAGQANVFI FPDLEAGNIG YKTAQRTGHA  
 LAVGPILQGL NKPVNDLSRG ATVPDIVNTV AITAIQAGGR S

> RXA01458 (1-1050, translated) 350 residues  
 VNRIKTLTW GAIPVLVLLAS LVSIDHIPGT NINLSVPYAA EGPPTINTL GQVDGEDVVS  
 ISSADLDETE GNLNMTTVSV RSGMTLSQVI SRWLFTDDTI VPSEQVFP PG QSTEEVEESN  
 RTAFISSESS ATIAAMNYLN IPVEVEVAEV LTDSAATGIF EPGDKLLSID GTAISTPGDA  
 QTIVRSKAPG DEITISYERN DAESQATITL REHPDDSSVA LLGISMLSVP SSAIEVDYNL  
 EDIGGPSAGM MFSLAVVDKL SPGALNGGKF VAGTGTIAED GSVGPIGGIA HKVRAEDAG  
 AEVFLSPADN CAEAMSAKPQ DMTILKVDSL SQAIDQMAAY NEGSDFQTCG

> RXA01461 (1-459, translated) 153 residues  
 MIDTGKNGEF RYEQSNIIDQ NEAEFGITPS QTVGPYVHIG LTLEGAEHLV EPGSEGAVSF  
 TVSATDGNGD PIADAMFELW QADPEGIHNS DLDPNRTAPA TADGFRGLGR AMANAQGEAT  
 FTTLVPGAFA DEAPHFKVGV FARGMLERLY TRA

> RXA01462 (1-690, translated) 230 residues  
 MDIPHFAPTG GEYSPLHFPE YRTTIKRNS NDLIMVPSRL GESTGPVFGD RDLGDIDNDM  
 TKVNGGEAIG QRIFVHGRVL GFDGKVPHT LVEAWQANAA GRYRHKND SW PAPLDPHFNG  
 VARTLTDKDG QYHFWTVMFG NYPWGNHNA WRPAHIHFSL YGRQFTERLV TQMYFPNDPL  
 FFQDPIYNAV PKGARERMIA TFDYDETREN FALGYKFDIV LRGRNATPFE

> RXA01464 (1-291, translated) 97 residues  
 MLFLARMDVV FPDSMDADM ADFQAKEKAY SGDLQSRGIM KAIWRVVGEY ANYSIFDVDD  
 HDELHAILSG FPMFKYMNK ITPLAKHPNA LEYYLKG

> RXA01465 (1-1161, translated) 387 residues  
 VAGLFPLNQK AIEKLSDLTI QKVESRILDV PLIRPHGFAT TTSTEQHILL VSVHLENGVI  
 GYGEGVPPG PWWGGESVET MKALVDGYLA PVLIGRAVSE LAGIMADLER VVARARYAKA  
 AVDVAMHDAW ARSLNVPVRD LLGGTVRDKV DVTWALGVLP LDVAVAEIEE RIEEFGNRSF  
 KLKMGAGDPA EDTRRVAELA REVGDRVSLR IDINARWDRR TALHYLPILA EAGVELFEQP  
 TPADDLETLR EITRRTNVSV MADES VWTPA EALAVVKAQA ADVIALKTK HGGLLESKKI  
 AAIAEAGGLA CHGATSLEGP IGTAASLQFA ASTKAISYGT ELFGPQLLKD TYIVQEFYK  
 DGQVAIPQGP GLGVDVMDK VNFYTRK

> RXA01466 (1-822, translated) 274 residues  
 MTPNGRRQLL LERGA AFSKN RTPGLKHVDR HTIVDSGLS IHTYMGHAE NATATVVFH  
 GFTLAAEVY MQVDYLQTFY PNIKSVLIDA RGHGATGQIR PELCTIEGTA NDVLAAIHEH  
 APTGPLILVG HSLGGLTALN LVKRADHSLR KRIVGMVLA TSIESLSTQG LPQVLASPLA  
 DNIKNAVEAA PNDAQKFRQY ATTFLAPTLA TAVFQRTND EVIDFHAAMI HETPLDTFVG  
 FFDDLQEHDE LDAAPTLEGL KGYVLAGELD DVTP

> RXA01477 (1-1548, translated) 516 residues  
 MPQLSRRQFL QTTAVTAGLA TTAGTPARAE ERQFQHGVS GDPTATSAIL WTRLTPIPDA  
 TPGSGLGPD PVTWEVSPTP DFASITRSGT VITSAASDHT VHAHATGLSP STRYFYRFIS

STGEVSPVGR TQTTSLVDAP LPHLRFALAS CANWEAGFFA AYGDIARRAD AGELEMLIFL  
 GDYIYEYATG MFAGKDGVRV PHQPLHETIT LEHYRTRYGH YRSDNHLQAA HAALPWIVMW  
 DDHESANNSN REGAQNHSAD EGSWVDRQNA ARQVFLEWMP IRQEDTLYRS FTFGLATLS  
 LLDLRSFRDP APSQQWLEG QRADTMMGSQ QFEWLKSNVE HTTTTWNIG SSVMFAPMAI  
 TGQPLFQIPE PIPANLDQWD GYSRERDRLL AVLADFATPT LFLSGDIHSE WANAIRFNDR  
 EIGVEAVCSS ITSANVNDFA KLPEDNPVSL QAEQVIRANS SHVRHVDLDA HGYATVNLTQ  
 DGAHVMVHRV ADLSLPDSEV APAIALEWKP GVGFTT

> RXA01498 (1-1563, translated) 521 residues  
 MIKRLPLGGL PKELHQTLLD LTANAQDAK VEVIAFFTGE TLGFGFDGDE QDVEHAFALS  
 RAAQKKVWHT TAVERKKIFL KVHDLVLKNR ELLMDIVQLE TGKNRASAAD EVDVAITTR  
 FYANNAGKFL NDKKRPGLP IITKNTQQYV PKGVVGQITP WNYPLTLGVS DAVPALLAGN  
 AVVAKPDLAT PFSCILMVHL LIEAGLPRDL MQVVTGPGDI VGGATAAQCD FLMFTGSTAT  
 GRILGRMGE RLVGFSDELG GKNPLIVAKD ADLDKVEAEL PQACFSNSGQ LCVSTERIYV  
 EEDVYEEVIA RFSKAAKAMS IGAGFEWKYE MGSLINHAQL DRVSTFVDQA KAAGATVLCG  
 GKSRLDIGPF FYEPTVLADV PEGTPLLTEE VFGPVVFIEK VATLEEAVDK ANGTPTYGLNA  
 SVFGSSETGN LVAGQLEAGG IGINDGYAAT WASVSTPLGG MKQSGLGHRH GAEGITKYAE  
 IRNIAEQRWM SMRGPAPKMPR KVSSTVATA LKLGKIFKVL P

> RXA01499 (1-3822, translated) 1274 residues  
 LWDVLESVAS TYPEAAAIID QVLTIAELM EEVTALADSI HAQGIIRGDR IGIRMPSGTR  
 DLYIAILATL AAGAAYVPVD ADDPEERAEM VFGEANINAL FDATEGHMLR PTAGGDTRRP  
 RLDDTAWIIF TSGSTGKPKG VAVSHRSAAA FVDAAEQMFL VDHPGSLPLP EDRVLGLSV  
 AFDASCEEMW LAWGHGACLV PAPRSLVRSG MDLGPWLIRR DISVVSTVPT LAGLWPAEAL  
 SQVRLIVGG EACSQELVER LSTPDREVWN TYGPTEATVV ACGTQLYAGQ PVGIGLPLAG  
 WDLVVVDAG EPVGIGEVGE LVIGGVGLAR YLDPEKDREK YAPLKSVMGT RAYRSGDHVR  
 LEEDGLYFVG RVDDQVKIGG RRIELGEVDA NVAALSNVRS SAVVVQTTGA DQKVLVAVVS  
 LEDAAAGFDH NVATARLTET MPAALVPRIH VMDDLPTVTS GKVDKKSLLP PLPGTVVEAN  
 DLSATEAWIA QEWVDILGTS VSSKDADFFS LGGTSLAAAT LVGRVRKVP TAAVRDLVDH  
 PRLEKFAERV EAIAADTGIS LEAPNQVEER VVKPVSGFTR VMQTLIQIPI MTLQAAQWIA  
 WLLLGNNIMA ALDFWAVHV SWWLVIEMIL VFATPIGRLP IGGWGARIIT RGITPGSYPR  
 GGSTHLRIWS AERLADASGS RNISGATWVN YFARSLGVKM GKGVDLHSLP PITGLLTGNG  
 NVSIEQEVLD RGYWLDGDIL RVGTIEVHDN ARIGARSTLL PGTVVGTGAH LLPGSTVTGD  
 KTIKPGSRWA GSPAQKVGRA KHRFPTSHPP RRSRWVPVFG ATSIVLSLLP LQALAIGAAI  
 TLWLATISPL PLIWGVLFVA TVGALAAFFA YTVTIWVLR LIQIGIKGGT APVRSRLGWQ  
 VWAVQRLMDD ARTYLFPLYA SQTPLWFRS LGAKIGKDVE ISTAVMVPKL ADIREGAFLA  
 DDTLIGGYEL GNGWLLSGET RVGKRSFIGN SGIAGPERKL AKNSLVAVLS STPKKAKANS  
 NWWGSPPERM RRVTVVEVDEG EAKTYSFGFG VKFARGAVET ARLLAPITSG VLAALSLLL  
 QYLLTEFNMW ITWLLGGLIL MTVGVLAMGI TVVMKWVCVG KHKPSEHPLF SRFVWLNELQ  
 DAFVESVAGP WFLVNLGTG ALNAGMSALG AHIGRGAWIE SYWLPETDLC YIGKGATVGP  
 GVVVQTHLFQ DRVMSLDTVT VADGATLADH SVALPASLID ASATIGPGSL VMRGDKVPAH  
 TRWQGNPIEP WSNS

> RXA01502 (1-1233, translated) 411 residues  
 MSTPQSIVII GGLLAGAKTA EALRVNGYEG SITLIAAEDY LPYERPPLSK EYMAGKVGFD  
 KAIVHPAEWY KENNVTLRQG VRATAIDAGS RQVTVDGNG TETINYDKLV LATGSARVKL  
 PIPGADASN HYLRTVEDSD AIKATFGEKG KLVLLIGGGWI GLEVASAARG AGTDVTVLEG  
 GKPLLLKVLG ETVAQVFADL HVANGVDLRT EVKITDIVTE DGRAVGVRLD DGEVVPADAV  
 VIGIGVTPVI DLAEATAGLEI DNGVLVDAAL RTSDPDYAV GDIAHNDHPV LGHRIRVEHW  
 ATALNQPAAA VKSLLGKDAE FTNLPYFFTD QFDLGCEYVG HATGSQEKVF IRGNLETREF  
 VAFWVDTENR ILAAMNVNVW DVPDQIKPLI ASGKSVDTEK LVDPEVPYSE L

> RXA01509 (1-474, translated) 158 residues  
 MSIEVTVEIP KGSRNKYEID HETGKVYLDL YLFTPMAYPL DYGYIDHTLG EDGDPLDALV  
 ILPESVFFAV VVKSRIIGVF KMTDEAGGDD KLLSVLDDPR YDHIQDISDV SDFLKDEIEH  
 FFFHYKDLEK GKHVDSGSGW DKAEAEKIHA EADRYKA

> RXA01510 (1-1281, translated) 427 residues  
 MKNAAWVGSS VGVLIAGAV IGGGVVWNHS GFGLDHPEPM SVEMPEQLFS SAIDPDALAE  
 PDFATLEKDL TSQAADSRGL TFGVGVARDVE SGEVVWEQNG GTAVRPASAT KILTAVALY  
 ELGREDTITT KVVEGEQPGT VVIKAGGDDT LSEEMLDDLA TQLEGQDIGT VLIDTSIWPD

EGFASTWDPV DVDAGYIADV EPAMIEAARI GGSEGLDPRS HTPALDVAQA LADRVGADTV  
 DEGSAPDKTV LASVESDTLD QRLARMMKDS DNVMAEGIAK EVAASKDLAT DSASTSKMTL  
 EILKDKGFDL SGVSIVDNSG LSFNLIITPR LLDDILTRAA TEPELSSLLT SLPIAHGTGT  
 LEDRYDGLSG AGWVRAKTGT LTDTALAGV VTSESGRVFT FAFVSNGSAI VPAREALDEM  
 ASILRDF

> RXA01511 (1-942, translated) 314 residues

VASLIGNLEL PRVSPNFLEL RKAVRPYLKE HVHIGLSGGP DSLALVAAVL AEKSQVTAIC  
 IDHNLQTGSA EVTHNAAAMA RHMGAQAIVK SIEVAPGEGM EAAAREARYA AFAQLTDEIW  
 VAHTMDDQAE TYLLGGRLGN PAGMKDASRR PELSIIRPLL GARRAHTHGA CVELGLKPWH  
 DPQNFDDAFR RVAIRNQVIP LLAQVHGGDP VPGLALAARR AVEDAEEVVEG DVEKRRLEWQ  
 DGFPVTLAGE PTGLRRRMLA DFLRGEIGAV TSRKLDADR LLTDWRGQGG VAVGKSDNGR  
 LEVVRQSGKL KITD

> RXA01513 (1-2559, translated) 853 residues

MKNKKYLQFG GIAAVILIVL FLVSLFSSDT RNFQEVDTSV AMAQLDAGNV AEAQIDDREQ  
 RVRLTLREPI TVDEREGVEE ILAQYPARTA PAIFEKVEAS NTDSYTTNVT QESFLMSMLS  
 FILPMVIFG LLMFFLTRMQ GGGMFGIGGS KAKQLTKDMP TNTFADVAGA EEAVDELHEI  
 KDFLEDPTRY EALGAKIPRG VLLYGPPGTG KTLARAVAG EAGVPFYSIS GSDFVEMFVG  
 VGASVRDLF KQAKENSPCI IFVDEIDAVG RARGSGMGGG HDEREQTLNQ LLVEMDGFGD  
 RQGVILMAAT NRPDVLDPAL LRPGRFDRQI PVTNPDLRGR EQILEVHAKG KPFAPDADIK  
 ALAKRTAGMS GADLANVLNE AALLTARVGG NVITADALEE ATDRVVGGPR RSGKVISEKE  
 KKVTAYHEGG HTLSAWALED IERVYKVTIL ARGRTGGHAM TAQEDDKGMY NRNELFARLV  
 FAMGERSAEE LVFGEPTTGA SADIEMATKI ARSMVTEYGM SPAVGMVKYQ QEQGDPPFSGR  
 GGGGNLDHSQ EVAATIDTEV QFLLDKAHEV SYSILAEYRD HLDRLAEKLL EKETLRRPDL  
 EALFDDIVPR KVAEVFPDES TRFPRQENRE PVKTPVELAL ERGEEPPKKF SILEASRATR  
 ERRRKELEAQ GKLPVQPASS AGVAPAAGAA AGSYGTPPPA DWSVPGSAGK HRSRAEEQPA  
 EQGFPAQTPA QAPEQSPDSS GGRPNPYATP TASGEHPGMK AYGFQDSELM DQSTGAETP  
 GNVSQESPTM MIGFRLPDHE RSDYPEKAQK ESVLDASETT EMPVVPDQPI DGDSGKSAEG  
 TQENPENEGD NRG

> RXA01571 (1-600, translated) 200 residues

VSISVKALQK SGPEAPFEVK IIERDRPRAD DVVIDIKAAG ICHSDIHTIR NEWGEAHFPL  
 TVGHEIAGVV SAVGSDVTKW KVGDRVGVC LVNSCGECEQ CVAGFENNCL RGNVGTYNNS  
 DVDGTITQGG YAEKVVNERN FLCSIPEELN FDVAAPLLCA GITTYSPIAR WNVKEGDKVA  
 VMGLGGTRTH GCPDRCSQGC

> RXA01589 (1-837, translated) 279 residues

YAEVGKKIR ITGGEPLMRR DLDVLIKLN QIDGIEDIGL TTNGLLLKKH GQKLYDAGLR  
 RINVSLEDAID DTLFQSINNR NIKATTILEQ IDYATISGLN VKVNVVIQK INDDQIIPML  
 EYFKDKHIEI RFIEFMDVGN DNGWDFSKVV TKDEMLTMIE QHFEIDPVEP KYFGEVAKYY  
 RHKDNQVQFG LITSVSQSFC STCTRRLSS DGKFGCLFA TVDGFNVKAF IRSGVTDEEL  
 KEQFKALWQI RDDRYSDERT AQTVANRQRK KINMNYIGG

> RXA01603 (1-621, translated) 207 residues

VSDAGKKDSS KVEIGLTGRP LRELPEPSPL EKHGPATIIA MANQKGGVGK TTSTINLGAC  
 LAEAGRKVLL VDLDPQGALT AGLGIHYDDV DITVYDLMVD NNSTIDQAIH HTGLPDLDDV  
 PANIDLAAE IQLVNEVGRE QTLARALRPV MKDYDFIILD CQPSLGLLTV NALACAHGVI  
 IPMECEYFSL RGLALLTDTV EKVADRL

> RXA01607 (1-630, translated) 210 residues

VIRILLADDH PVVRAGLASL LVSEDDFEIV DMVGTPDDAV ARAAEGGVDV VLMDLRFQDQ  
 PGIEVAGGVE ATRRIRALDN PPQVLVTNY STDGDDVVGAV SAGAVGYLLK DSSPEDLIAG  
 VRDAARGESV LSKQVASKIM GRMNNPMTAL SAREIEVLSS VAQQQSNREI GKKLFLTEAT  
 VKSHMGHVFN KLDVTSRTAA VAEARQRII

> RXA01608 (1-1839, translated) 613 residues

MALCMTVAFA GGSLTACTPR PDTADPIAE FLQAWASQDF DTIADITDQA DLATEMLSTS  
 FDGLQADSVE LTLDSDSRD TIATANFSVV WKLPDRDREVS YDSSMTLTKM RNEWTVRWEP  
 SLVHPKLGAN QHLELRAIEA QRANVISSDG APVLAPGSIY RVLVDPSAGD ADVVVKRVAD  
 YLNEAHATDE NVNTLDVEDI MSNLGDSTYS LTTVDANLGA RMEQDLGIP GLTFNEEASM

VATDPGFAPD IVSRVARIVE DELEGSNGWR ASIVTSNGAV IDDIAYDAPE LAPSVRISLD  
 HNVQRAAEEA VDLRAEMKAM MVVMRPSTGE ILAVAQTDEA DKDGDVALMG QYPPGSTFKI  
 ITAAAGLAHE GLTPDSIVPC PGTMNIIYGR VTNYNFSFSLG NTSLDDAFAN SCNTTFADIF  
 HHLEPGQLKN VAKQFGLGID YQIPGLDTMT GSVPEGDIVL DRTESGYGQG LDLASPFGMA  
 LVASTAATGS VPTPTLISGH ETVASEEVLA LDPEVLANVQ RMMKSVVNDG TARGMRQTGG  
 QIYAKTGEAE INEGSHAWFT GYREDDIAFA TLVVLGGGSE AAAAVTDQFF VKLDEL RAGG  
 EVAVSEAEQ PVG

> RXA01609 (1-873, translated) 291 residues  
 MSKMRAPLVP GIPTPIREVP AHIERPEYVW KDEVQEAIGE PFVQAPEVIE KMRETSRIAA  
 NSLKIAGEAV KPGVTTDELD RIVHEYTCDM GAYPSDLGYR GFTKSSCISL NEIVCHGIPD  
 STVIEEGDIV NIDVTAFKHG VHGCNATFL AGDVSEEHRL LVERTEEAMM RSIRAAKPGR  
 EINVIGRVIE SYAKRFGYNV VRDFTGHGIG PTFHNGLVVL HYDNTQYRDL LVPGMTLTIE  
 PMINLGSLDY EIWEDDWTQV NVDRKFSAQF EHTIVITEDG NEILTLPDDSV

> RXA01620 (1-948, translated) 316 residues  
 MQSIRTTFRS LRSRAVIVGT VLALGIAGCS TASDEATSTS DDVAVGGRLF STADSATAAL  
 GSDAEPGQFP RTVVHSRGET TLEQQPQVRV VLDSGEIDQV LSLGVTPVGI ASPKDASSQP  
 AYLENQLADV QTVGTTSELN FEAIAALKPD LILGSKLRVD ESYDQLSQIA PTVLSIRPGF  
 PWKENFLLTA DALGLEGKAV EVLNEYQTHV DAVRETIDGS PEISLVRFPMP GRTRLYGNLS  
 FIGAILKDLG LSRPEIQNID DLAVEISPEN ITDANGDWIF YSTYKGPEAT EQDNILSNEL  
 WHNLP RRPRR SCPGGQ

> RXA01640 (1-3318, translated) 1106 residues  
 MFAPPEGDDT DEVRRTYLRH LGALRAKATD HAAMQRRHEW HRHPDPATLW STLGTRRMWE  
 RTQDDQDCLE IRFGLGVTRL DPAINVSDSG APEDLDPVCA VSLRHTIRDV GSVQSMFVSV  
 QLQAFRFIGL NGAGAHDLAR ALVVQLLYHH GPEVVGKAI GESGWEWLKW VPHTRDPEKA  
 AFRILLVDSV LTNGTESFID DPQWTTIINV GAQTSTALGQ LAEDEGLLLH VDKRLHVATA  
 HGAEELGTPD AVSAELAEVF GRRLTAFRRT TTAAHAASSGE LLSLLGIDDV EHLTPETLWM  
 NKRTQPKTRL AVPLGLNASG RPMVLDLKE AHGGMGPHGL CIGATGSGKS ELLRTLVLGL  
 TITHSPEELN LVLVDFKGA TFLGFEQLPH TSAVITNLEE EPVLVERMHD AISGEMNRRQ  
 EALRQAGGCA NVDEYNQRDG VKPMPALLIE SDEFSELLGQ HPDFADLFVA VGRGLRSLHI  
 HLLLASQRLE EGRLRGLDSH LSYRIGLKT F SASESRQVLG ITDAYQLPSQ PGAGFLKSDV  
 DTVTRFQASY VSGPIMRRHH LAPTQSRVRL FTSWEEPKEE VIVEQSTETL IDAVVARAIS  
 AAKLRGLSAH RIWLPPLPAE VSIGALADDV GELSAVIGMI DRPYQQRQDP LLIDFSLTGG  
 SGHWAICGGP QTGKSTALRS IVISMAATHS TENIRFYVLD LSGTSLENLS RLPHVAGVAG  
 RKDPEKVRRV VDEVGRGLNH PEQRHTFLIV DGWHTITQEF DELFADFVDI AANGLASRVH  
 LVLSTQRWSS IRPAVRDLVT GRIELKLGEA MDSVIDRKAQ LRIPSKPGRG LNLDKHEILI  
 AHASGQDIAQ VCVMDAGQGW QQVPQLSVLP AHILLHELEL SATPGIPIAR GGAELSTLTW  
 DPESRRHLLA FGSQCGKSS LIRTIVTGLT IVGREKARLV FFDLRRTHLG LVPEDMLAAY  
 CATSTAVHNT IKDMVATLSA RLPGPDITAG ELRDRSWWQG PDIYLVIDDY DLLPAGTLHP  
 LREIIPHARD VGLHIVLTRK AGGASRALYD PVMSEIKDQS PHVVLFADADR DEGAILGIKP  
 TAQPPGRATM SIRGENIGVA QMAPHR

> RXA01653 (1-939, translated) 313 residues  
 GSDLQASRGL LEDDAVQNNT ETSVFTDSSK VHAINHHGKY FDVPGIAITE PSVQRTPIY  
 QAGASPRGLK FAGENAEAVF INSSTVEAIT KTVAKIRAAA VAAGRDPHAV KIFAMQTIIT  
 GETEADAQAK LEEYSRYIDP VGGLTLMMSGW TGADLSQYDL DEPITNIESN AIQSTAATIS  
 NGTGEAWTV RKLGEATGIG GFGPVLVSGS ANVAAELARI QDLSVDVGFN LAYAITPGTF  
 EDVDFVVP LQKLSRYKTE YAPGSLRNKL LGKGDRLDDT HRGASYRLGA RNSTATIDLS  
 SISAQLVSQG AHS

> RXA01654 (1-996, translated) 332 residues  
 MSPSANAAEA PASEWVNTTA IVDQANAQLS QFGVSLDRSA AELFDDQANS QIDAALSPYA  
 DKVPTSGGQV VEQSLQVVEQ EVQKALPNYE IRTDLQSQVM GATLGEVLHR VPGSWFDAPA  
 VPEESRIVEE QGKSLYGGPT PIYLNNGNSMC TLAVTGTAD GRKIGITAGH CGKSGDAVRS  
 ADSFWVGDTG TVVYNAPNAD YSVIEFGSNA ELSNTYNGVT ANAVGGGVN GQEVCKNGVA  
 TGYTCGLVWT ADERMTMSQV CAGRGDGAP LIADGRVVGL VSGGVIPDYN LACATPLQGP  
 FFMPTLSVNM DTVLTDLDSQ DLPGRGFQPT AG

> RXA01664 (1-822, translated) 274 residues

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MTVLISPSTL AESIHAGKKQ TVLAAFWAPI EGAGRTVFCS EHIPTSIFCD PALELSGVPS
SEDGRNPLPP LNVLARSFRT WGLNTDREIV FYDQGRGLFA ARAWWILRWA GMPNVRILDG
GFQKWEDHEL GHAGGPGNFP HFCNVRPNPG QLSVATIEDV KAHQGILIDS RDEQRFAGRS
EKLDLKGAGHI PGAININAKS LLEDDFTFKS PEEIRQIFAD KGVTSGENVI VYSGSGNHSS
QLLAGMEHAG LTGASHYFAG WSQWSANPEN PIEA

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> RXA01668 (1-1716, translated) 572 residues
MSSFNPTTKT NEAMQAALQQ ASSAGNPDIR PAHLLAAILE QTDGVAAPVL MATGVDPKEI
LAEAKKLVAS YPKASGANMA NPNFNRDALN AFTAAQELAG ELGDEYVSTE VLLAGIARGK
SDAADLLTNK GATYDAIKEA FPSVRGSQRV TTQDPEGQFQ ALEKYSTDLT KLAREGKIDP
VIGRDQEIRR VVQVLSRRTK NNPVLIGEPG VGKTAIVEGL ARRIVAGDVP ESLKGKTLIS
LDLGS MVAGA KYRGEFEERL KAVLDEIKGA NGEVVTFFIDE LHTIVGAGAS GESAMDAGNM
IKPLLARGEL RLVGATTLNE YRKYIEKDAA LERRFQQVYV GEPTVEDAIG ILRGLKERYE
VHHGVRIQDS ALVAAAEELS RYITSRFLPD KAILDLVDEAA SRLRMEIDSS PQEIDELERI
VRRLEIEEMA LSKESDAASK ERLEKLRSEL ADEREKLSSEL KARWQNEKTA IDDVREMKEE
LEALRSESDI AKRDGNYCRV AKLRYGRIPE LEKQIEDAES KVEVNENAML TEEVTPDTIA
DVVSAWTGIP AGKMMQGETE KLLNMERVLG NP

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> RXA01691 (1-567, translated) 189 residues
MASQQIRYPF SAVVGQDELRL LALILTAISP RIGGVVIRGE KGTAKTITTVR AFAGLLGDAP
LVNPLPLGSTE DRVVGSLNME TVLTTGRAEY QPGLLAQADG GVLYVDEVNL LADHLVDALL
DAAASGRVSI ERDGISHSSP ANFVLVGTMN PEEGELRPQL LDRFGLAVDV AASTNPEVRV
EIIRRLDF

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> RXA01728 (1-975, translated) 325 residues
MADAVEREVF GYPDATGLN DALTGIFYERR YGFGPNPESV FAIPDVVRGL KLAIEHFTKP
GSATIVPLPA YPPFIELPKV TGRQAIYIDA HEYDLKEIEK AFADGAGSL FCPNPNPLGT
VFSEYIREL TDIAAKYDAR IIVDEIHAPL VYEGTHVVA GVSENAANTC ITITATSKAW
NTAGLKCAQI FFSNEADVKA WKNLS DITRD GVSILGLIAA ETVYNEGEEF LDESIQILKD
NRDFAAAELE KLGKVKYAPD STYLMWLDFA GTKIEEAPSK ILREEGKVML NDGAAGFGGT
TCARLNFACS RETLEEGLRR IASVL

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> RXA01795 (1-435, translated) 145 residues
VLIVGIRRDRT GFDFKHPAPT HGPRGDMPYK TAGEALKGVK DVPTNNNHMK IMPRTVEVLK
RIPEGENFTA IPKDDPYVVK GMISHVYRRL HRDEPSKTLI AGGGGGTGWY HYEKNRALTN
RERARIQSFP DDFEFLGSNT QVRRQ

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> RXA01802 (1-831, translated) 277 residues
MGDQDIIGKE SKQMDFRLVA TDMDGTLLNT HHEVPEKFWD ILEQMRAKGI AFAPASGRQL
ATLQKQFGHA GEPISYIAEN GTVVVHDGEI ISLTITDSIT VHSIIDAVRA SDIDMGVVVC
RPERAYVERN DEAFRAEGLK YYVSIEEVQD LHEAVNNEVI KVAIFTFQDA EKDCAPIIRA
ASPNANVVVS GQHVVDMVMDP SANKGQALAA LRDALGLEES QTLVFGDYLN DTELIKAAGK
SYAMSNAHPD ILELADEIAP SNIEEGVIVV LEKLLNG

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> RXA01828 (1-1422, translated) 474 residues
VNRSIRITSL FSLLLILVLV ANLTIQAFR DDDLAQNPLN ARGFLEAKST PRGQISTGGQ
VLAESSQDDQ GFYQRSYITN PTAYAPVVG Y LSDVYGAAGL ELGYNSILNG SDSSLFTSQW
LDVISGSPTH GANIELTLDP NAQQTAYEQL SQSGYEGAVV ALRPSTGEVL AMASSPSYDP
NQIVDPATAE DAWAEYTSTE GAPLLNHATQ ESLPPGSIFK IITTAALLEN GYSADSTVTA
EAAVTLPGTN TTLTNYGGQT CAGGGTTTLL TAFQLSCNTA FVETGIDVGA DALRASAEDF
GVGQTYSLGL DNVPGGLGEI PDDAALGQSS IGQRDVQMN V LQAAMVAGTV SNGGVRMEPY
LVSRTVGQDL SELSTHKPKS VGGVEPEIAE QLKTLMEASE RNTSGYTGIIQ IASKTGTAEH
GDENTPPHTW YVAFNNDIAV AVLKDG GGF GTSATGGQVA APIGRAVLQA AGGF

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> RXA01829 (1-1323, translated) 441 residues
MNTLERLKL RTEMWLLILA TLVVSIMFIS LELAMGNELG THILMLMGGY IGIFIVAHLA
MAWVAPFADQ IMLPVVAVLN GIGLVMYIRL DEATGYSTVN SQLMWTVVGV TLMVAVLLLL
RDYKSLSRYS YLLGVVGIVL LALPLVWPQP GGVEARIWIW LGPFSIQPGE FSKILLLLFF
AQLLATKRAL FTVAGYRFLG MDFPRLRDLA PILVWALAI LIMAGANDFG PALLLFTTVL
AMVYLATGRG SWLLIGAVLV AVGAFTVYQV SSKIQERVQN FVDPVAHYDT TGYQLSQSLF
GMSWGGITGT GIGQGYPNMI PVVHSDFILA AIGEELGLIG LAAIIVLFGV FVTRGMRTAT

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LARDSYGKLV ASGLSMTIMI QIFVVVAGIS SLMPMTGLTT PFMSQGGSSL MANYILMAII  
LRISDSARRP VMSKQASEVA A

> RXA01838 (1-819, translated) 273 residues  
QHLSGGRVDL MMGRGNTGPV YPWFGKDIHQ GIPLAIENYH LLRRLWREDV VNWQGKFRTF  
LQGYTSTPAP LDGVAPFVWH GSIRSTEIAE QAAFYGDGFF HNNIFWNKEH TAQMVNLYRQ  
RFEHYHGHQA DQAIIVGLGGQ VFIGDSEEEA KKTFRPYFDN APVYGHGPSL EDFSRLTPLT  
VGTAEQVIER TMEFADWVG D YQRQLFLIDH AGLPLEMVLD QIERLGHDVV PEVRRRMEER  
RPDHVPSNPP THQSLKANRN SPYFQINPGQ PTE

> RXA01848 (1-744, translated) 248 residues  
MGEEDSTPGR RSKAYSROGA DVRPMKGGHG INLVGTLMAA TERGANIVEG VVDFRPTDLR  
GSLRRGREAN LIVFVVDTS G SMAARSRVRA VTGTITSM LN DAYQRRDKVA VIAVNGNKPT  
LVLNPTNSVE QAQOKLKDMP MGGRTPLAEG LLMAKDLMAR ELRKEPGRRA ILMVMTDGQD  
TSDAGEAGIA TAAETVVKS R LSGNVVIDCE GRLKVRKERA GVLAEMLG G CVRLRDLNSE  
HIKMVINA

> RXA01849 (1-450, translated) 150 residues  
LPGVELPDLI LSQIAWLCAR IEVDGMRADL VITRTALAH A AWAGRTVVTE EDVEIAARLA  
LPHRRRRNPF DAPEMEERKL QETLQEARDF FKDNEDKGPA AKITDEETGA EAFDTDTNPT  
EEDGLQGT AQ AKAQTTGKVG TAGSGDPFRS

> RXA01868 (1-1611, translated) 537 residues  
VEKDSSSNES VAYVIQSGLG LPDEAYYREE AHAETLAAYK EHVERMLGYL DNSRLFGLSA  
ASAAARIVAL ETEIAAGHWD VVKTRDAVAT YNPTEL GALP PKVRTLLSSA GLPDQRLVSM  
MPSYLDHLNG LLVDDRLPDW QLWATWHILR SRAGLLTEEI SQANFDFYGT KLSGATEQKD  
RWKRAVGLAE RMVGEEIGQR FVERHF PASS KEHMLELVDY LVAAYRDRIS NLEWMT PATR  
ERALEKLGKF NAKIGYPDKW RSYEGLEFGS DLVDNSRKGS AFLHDYELGK IGKPADRDEW  
VTTPTQTVNAF YNPVVNDITF PAAILRAPFF DPEAEAAENF GAIGAVIGHE IGHGFDDQGS  
QYDGDGNLNS WWTDEDRSAF EQLTSRLVTQ FSGLVPAVLT SEGIDTDGVN GEFTLGENIG  
DLGGLGIAVV AYEKYLADRG QTFETSPVQK FEAEGAE EGL AEQEFNGLQR LFLSWARVWR  
TKIRPQMAVQ YLAIDPHSPA EFR CNVIAGN VAEFYEA F DV PEDAPVYIKP EERLAIW

> RXA01869 (1-303, translated) 101 residues  
MKDLYRFVNG LWLDTHIIPD DRAVDGTFHK LRDDAEEDVH EIVKEDTGRA GTLYASFMDT  
DAINAAGVAP LDADLNRLSV ANSSFSQLLS ANWTVKALAR Q

> RXA01885 (1-801, translated) 267 residues  
MTTKPIIPES THSAERAGGH WILARLGKKV LRPGGRETTO FLLENLSLTG ATVVEFAPGL  
GVTARDILGK GPARYIGVDS DADACANVRA ILPAGPHEVR NTNATDTGLE SDSFDV VIGE  
AMLTMQTDKH KLELMREAAAR ILKPGGLYGI HELSLVPDNV STAVKEDIAK ALARSIKVNA  
RPITVPEWAA LAREAGFDVI NIRQADMALL SLKRNLKDEG LKGVFTIVRN VISQPD LRKR  
VLGMRKTFTE HKDHLGAVGI ILQKRAQ

> RXA01914 (1-426, translated) 142 residues  
MAKNAYSTTA PTKVSKDATL PVRGTVAELK LEKKLPKKID AIIVAIFEGE DSIELAGGEI  
LDFIFSTEQQ ADILTQLEAV GAKATANSIT RVPGTDVAPV IAVGLGKADL LDDETLRRAS  
GTAARSLGGF ENVATTIGDL GL

> RXA01918 (1-414, translated) 138 residues  
MTPDLAAFLD KLYAEGQEF D AEQPDRLDRR RNLESESAAL LRSLIYGISP KSVLELGTSN  
GYSTIWMADV VNLTTVDNDP ERS LDAAANL RAAGVEEKVQ RIVADGATVL ADSADEQWDF  
IFLDAEQSLY VNWWPDLQ

> RXA01932 (1-897, translated) 299 residues  
MLLHPDAQFY IDTLPTLSAE EQVSFGKDAP VSEADATHVA TDQDIAGVPV RVTPLSGAG  
DLPLCVYFHG GGWSGGTLNM IDATVHSLV GLPIIAISVD YRLAPAHFPF AAIDDAFAVV  
SAVL DGVSG L SIDTSRVAIG GDSAGGNIAA VTAQQLRERA VGSTPVLAHQ VLIFPVT DVS  
TTSTPSYLTF GKDCYLTKDA MERYIEQYAD GHDRTPRLS PLLASDLSDL PPTTIVYGEC  
DVLAEHVRAY GQALLEAGNS VTMTEFKGQI HAFINLGGIS SDARAARRLI RAELEAALC

> RXA01933 (1-603, translated) 201 residues  
 MSKTRTFLFD LYGVLIKEHG AAQFERVARA VGEPSKNDKL HEVYESLRDL LDAGRVSEVN  
 YWNQIKLLVG LEFLDIQEV I AADYRGLYER DQDMVDYVLS LKAKGHRIGI LSNIPEGLAK  
 LLKEHNSEWL DQLDAVTLSC DIGAAKPEPK SFHVALEALG EKAEDVTFID DRVRNIEAAR  
 EEGLSTIHFT GLDSLKESIQ E

> RXA01934 (1-558, translated) 186 residues  
 MTPQPLILPF GDKVPRIHES AWIAPNATII GDVEIGPDAS IFYGVVLRGD VNKITIGART  
 NVQDNCVLHV DGDAPCTLGD DVTVGHMALV HGATVGNGTL VGMKSALLSG SHVGAGALIA  
 AGAVVLEGHE IPAKALAAGV PAKVRRLDD AQSQSFIPHA GRYVETSKAQ ASIAEALSLO  
 EVRVRE

> RXA01967 (1-1143, translated) 381 residues  
 MRIQSPMEIS WSEAVREGGE HSARRCGDMA VSALAKPNPI IDDDPEGNDP VCMYTWIVEC  
 PGATAVLLWI NGVFDHERIE ESEMTRLEGS DLWILSLRMP SDWRASYTVN AWSGDGVAPW  
 REAGDRMHIR KAAMSGGRP SRAMGHIMDS SLVEGPDALP DCWVAASTSV KVVEETVAGE  
 HFWFYEAPVK APLLVLFDGQ HWNNSMNLPA QVDAAIAIGL LPPVSLLMID SVNTERRWDS  
 VGVPGGQVDV LIDALLPHVR ETYNVSARGE DTIVTGASFG GLASLWALAL SDGEVGHAI  
 QSPSLWRFNV ADALSAAEQW SSIHLQAGKY EGEMLRLSHQ LAEDLSGDIR EVRVRGVHGG  
 HDWAWVRVHM LTELTRLKLT L

> RXA01971 (1-831, translated) 277 residues  
 MSKKKPRPIP VPAQFIPGLI DAHTHLASCG GDLAGLVERA KEAGVEKLCT VGDGLAEAE  
 ALEAAQQFGN VFAACAIHPT KADQLDGAAR ARLTQMAADP NCVAIGETGL DSYWIKHDPE  
 DTAALDVQEE ALRWHIDLAI SADKPLMIHN READADLMRV LADAPPPKDT ILHCFSSPLD  
 VAKEALDRGY VLSFAGNVTF KRNEELREAA RIAPISQILI ETDAPYMTPE PFRGSRNEPS  
 LIGHTALCIA EVRGMAVEDV AAALNENFDR VYGVTNL

> RXA01993 (1-366, translated) 122 residues  
 AGTGAQDGDR SQGVNGYVMN TITPDSDRFS HYFWAFMRNY RLESQTITTQ LRDGVSGVFK  
 EDEDMTLTAQQ DAIDANTDYE FYSLNIDAGG MWVRRILEE LSKEGRDLIP TTFPRATPKP  
 EA

> RXA01994 (1-975, translated) 325 residues  
 MNSQWQDAHV VSSEIIAADI RRIELSPKFA IPVKPGEHLK IMVPLKTGQE KRSYSIVDAR  
 HDGSTLALSV LKTRNSRGGS EFMHTLRAGD TVTVSRPSQD FPLRVGAPEY VLVAGGIGIT  
 AIRSMASLLK KLGANYRIHF AARSLDAMAY KDELVAEHGD KLHLHLDSEG TTIDVPALIE  
 TLNPHTELYM CGPIRLMDAI RRAWNTRGLD PTNLRFFETFG NSGWFSPPEV HIQVPELGLH  
 ATVNKDESML EALQKAGANM MFDCKRGECG LCQVRVLEVD GQVDHRDVFF SDRQKESDAK  
 ACACVSRVVS SPSSSPTSTI TVALS

> RXA01997 (1-390, translated) 130 residues  
 MTINEKIASA FNNQVTAELE ASMVYLQLSY VLDDLGLTGM RDWMKAQSKE ELEHAQKFAQ  
 HLLDRDYTPQ IGDIAAPPKLD VTSIAEAFEA SLAHEQKISG LIRELAAIQD AEKDYDSRAL  
 IDWFLNEQIE

> RXA02000 (1-504, translated) 168 residues  
 MKVTQSTFLK SVAAFTVAAL TLTSSSCSSG EDTSASSTDT ENSSTQAAAAS PPLAPCELPA  
 DASAEVEVEG THTGEDISVA PEIGTGYREG MTPVQTQGYA VATANPIASE AACAVLREGG  
 TAADALVTAQ FVLGLTEPQS SGLGGGGYIL YYDAEANAAT AIDGRETA

> RXA02010 (1-447, translated) 149 residues  
 MVFTLADSVS QVALGPSWLD PMELLSGSGP FGSFILPAML AIVFIESGLL FPLLPGDSL  
 FTGGLLANQA DPFAPLWLVL ILCPIAAILG DQVGYWIGHK FHPRLVNRPD GRIFKQEYLK  
 QTEDFFFEKHG PVTIILCRFV PIVRTYAPL

> RXA02012 (1-669, translated) 223 residues  
 FTMTLSERKL TTTAKILPHP LNAWYVAWD YEVTSSKKPMA RTIANKPLAL YRTKDGRAVA  
 LADACWHRLA PLSKGLVGT DGIQCPYHGL EYNSAGRCMK MPAQETLNPS AAVNSYPVVE  
 AHRFVWVWLG DPTLADPTQV PDMHQMSHPE WAGDGRTISA DCNYQLVLDN LMDLTHQEFV  
 HSSSIGQDEL SESEFVVVTH EDSVTVTRWM HDIDAPPFVQ KNM

> RXA02016 (1-777, translated) 259 residues  
 MSNFETFLWV AYPWLCIAAY IIGISWRWRA DQFGWTHSS QIYESKLLRI ASPLFWHGMV  
 FVVIGHLMGL AIPKSWTQAV GISDAAYHLI ATIPGTIAGI AAVLGLIGLI IRRVINKTVF  
 LSTSRSDKVM YVLLGAAILS GFIA TVSTQV FGGAHGYDYR ETISPWVRQL LIFNAQPELM  
 ADVPWEFKVH IVAGFTLIAL WPFTRLVHAF SAPVGIVTRP YVVYRTRDIT SEPARQNVAV  
 EPIRSVKNQL DNDSKWHGA

> RXA02017 (1-684, translated) 228 residues  
 MRTHTGKIPD HFVPRISMTE EQRRVVFMLN SLLLDYPEEG FVDKLNAVEA QLDVLPLPVA  
 AHVVEFLDAA RVAGLRAMQE AYVETFDQRR RCSLFLTYIA VGDTRQRGTA ILTRFQTLQQ  
 LGFESERDEL PDHLCVVLEA AALADSSLFD AATQVLSAHR DGIEVLRAAL DNLDSPYRYL  
 IMSLCQALPE IDEETANSYM ELIRSGPPAE MVGIGTPLPF PTSQPDIH

> RXA02018 (1-1050, translated) 350 residues  
 RICEHCLNPT CVSSCPGAM YKRAEDGIVL VDQDQCRGWR MCVSGCPYKK VYFNHKSCKA  
 EKCTLCYPRL EVGQPTVCSE TCVGRLRYLG VLLYDADRVA EVAATPDEKD LFEAQKTLFL  
 DPHDPQVIAD AQRNGIPHSW LEAAQNSPIY DLIFKYEVAL PLHPEYRTL P MVWYIPPLSP  
 IVDEVTASGN DGEDHKILLT ALSTMRIPL YLAGLFTAGD TRPVEKSLRR LAAMRSYMRD  
 ISLGREPQEE IAEAVGMTGK VVQEMYRILA IAKYDDRYVI PTASPETPRG ISSLDPFQDV  
 DPARATEQLN IGLGEGAPEA CGTGAPSGKV SLTSWNVGER PAAMFPPRKD

> RXA02048 (1-1374, translated) 458 residues  
 MRRLRSTPVP GTRDSYTGID FNLGFHIRRY ELDLTYRVAP NLLMGATATLH MDNYRALDAL  
 TLDLGGSLRV EKVTAKGTAG THIQVARFRH AGRKLRITFR NQIPVDQEF S LTIRYRGNPR  
 PLRSEWGMIG WEELDNGALV AAQPNGAPSW FPCDDTPDEK ALFDVHFHTD NGYAAIITGD  
 LISKHVSGSM TTWHYQSREP MATYLA AVHV GEYDTVSLGV SESGVVVEAY VPVGDAALRA  
 RILEDFAKQV DMLDAYEKL F GPYPFRSYRV VITEDELEIP LEAQGLSSFG ANHATGEGTW  
 ERLIAHELSH QWFGNSLGLA QWNDIWLNEG FACYA EWLWF EAAGVKSAE SALEFYRGLE  
 ALPKDILLAN PGAKDMFDDR VYKRGALT VH ALRELLGDDA FFKAVRSYVA EGRHGLVEPR  
 DLKRHLAYVS TDHAALDAVW QSWLRDLELP EFPSSGGLD

> RXA02052 (1-792, translated) 264 residues  
 MGTTEIPETP TRVVVIDSPH LDALLALGIT PVGATESGSE NGFPAYLADE LKDTESVGLT  
 SEPNEKIAA LDPDLIIGAK VRHEAIYDQL SDIAPTVMSE GSGTNWNEQA EITAAAVNKS  
 DEMDKLISDL DTRATELGEE IGADGQTASM VRFRTDNFRL YGPETFSGSV LEQVGFDLGE  
 RDWNEYSMME LSSENFQID GD LIFYTIPG SPEATTYPKI SELWVDSPAV RQGRTYEFED  
 ETWVGIGVL GANEILDDLE ETLS

> RXA02064 (1-639, translated) 213 residues  
 VSNAFEYLRT YVESTTETDA AVARAREDAE EFGLPAPDEM TGQLLTTLAA TTNGNGSTGA  
 IAITPAAGLV GLYILNGLAD NTTLT CIDPE SEHQ RQAKAL FREAGYSPSR VRFLLSRPLD  
 VMSRLANDSY QLVFGQVSPM DLKALVDAW PLLRRGGALV LADALLDGTI ADQTRKDRDT  
 QAARDADEYI RSIEGAHVAR LPLGAGLTVV TKA

> RXA02083 (1-1410, translated) 470 residues  
 MEMVMKNKRV AIIGAGPSGI AQLRAFESAE KQGHEIPELV CFEKQDTWGG QWNYSWRTGT  
 DSYGEPVHSS MYRNLWSNGP KEVLEFAEYS FDEHFGKPIS SYPPREVLWD YIAGRAKKS N  
 VEKYIKFAHV VRWVSFDEAT KLFTVTVENL RTGETSSDTY DNVI VGAGHF SFPNVPHFDG  
 VETFPQIMH AHEFRGA EAV ADKDILLIGA SYSAEDIGTQ AYKMGARSVT FSYRSNPMGY  
 EWPEEMTELP LVERFDGSEV HFVNGEKRKV DIVVFCTGYL HHYFPMPSEL TLSSPNNLYP  
 DTLYRGVVSE ANNQLFWLGA QDQWLT FNMF DAQAWYVRDV ILGRVALPSK EAQRNHMDKW  
 LSRFEGLKSE NDQIDFQCDY VEDLIDQTDY PSFDLKEVAN ILKGWVKSKE EDILNYRDTY  
 YTSVMTGTTS VEHTTPWMIE LDDSLERYLS EPQEDEARQV YRGKKVRDKA

> RXA02092 (1-1638, translated) 546 residues  
 MANSAAGSVL ADEMVPPTST GFVKGVGKPG LKTWRGIPYG RNTGGKYRFR APRPAKKWDG  
 VRDCSMFGEV ASQPTYSWTD KIRGSEDCLN LDVVRPDSEE KLPVVVYLHG GSFIMGSSSE  
 KALRGYNLVT MNVYVVS VN FRLGALGYLD LRSVGEDCVA NPALHDQLLA QKWVSRNIKA  
 FGGDPDNVT L MGESAGAAAV VALMCVPAAG GLFHRAIAQS APVISVHSST QAKFWARELI  
 YRMALPRETT LDEL RQESAD DLVRAGQSM WRS GELLQLN SCYGP TVDGS LLPEHPLTMF

EQGRQHRI PF MIGTNNGETS FSKAFYLRSS ARRRSALRML SVYDPHNAER VVSAYGGGEA  
 RTDFSELLAD ALFWAPSVRL AQSHASQDED TWMYRFDYAP QSMRKLGLGA IHSFELNAVF  
 GDHESSRSMN LAKIAGGMDH LDKVTELQVE HWKQFIYFGR PGEEWKAYRG RSDTEPGRAT  
 FVIDINSRIA WDPRQDKRTA WENYDMLEWG TGRPDLANEL DFIEPEETEE EQQLKWLSLM  
 QFFGSR

> RXA02098 (1-1746, translated) 582 residues

MDATFWIIGL VVLVVLAI III VLIVGNQRGK SKTVSFEEKPE ENKKELTQQE KSGNYQAQGG  
 FNFAPAKQTE EPVLREGQDL GAPKAETTP I VPPVVI PPAA PEEKKAPEQS TETFAAQKPA  
 EEAPATPEPE TSDDVVEEPE VKEPEVKEVV AVEPEVETEE PAVVEEPAVA EEP AIVEEPA  
 VAE E PAVAE E PAVAE E PAVAE E PAVAE E PAVAE E PAVAE E PAVAE E PAVAE E  
 AAEAAQVAVE SAEAALEETP VPDVEPEPAA EPIDEIVPAA GRIGKLRGRL SRSQSVFGKS  
 VLGILSAGDL DEDAWEDIEA MLIKADLGAK I TARVVDLRL DKIAEHGVGS EAEARAMLRA  
 SLIDACRPDL DRSIKAMPYE GKPPVVLVVG VNGTGKTTTT GKLARVLVSM GHKVLGAAD  
 TFRAAADQDL ETWGRRVGAE TVRGAEGADP ASIAF DAVAK GVERQADVVL VDTAGRLHTS  
 TGLMDQLGKV KRVVEKKAVV DEVLLVLDAT VGQNGMQQAR IFREVVDITG VVLTKLDGTA  
 KGGIVFQVQE ELGVPVKLVG LGEGADDLAP FEVEGFVDAL LG

> RXA02101 (1-1263, translated) 421 residues

MSRISELLNN HGVDLSWQEA AYQDFHEHPE LSGFESETAD RIQKYLERFD CEVIPNVGGY  
 GILAVFRNGS TDPGAPVALM RADFDGLPVK EITGVPFST RMRPHDGANV HVMHACGHV  
 HVTALLGACA ILDERDAWE GTFIALFQPS EENSQGANM VAGGLVDLIP RPDVCFGQHV  
 VPGAAGTVMS MPGGALAACD SIEIRIQGRS AHGSMPHNSI DPTYVAAMIV VRLQGIVGRE  
 VSPEDFAVIS VGT LQSGNTN NTIPASARLV LNCRFYNDKV KHKVYRAIER VVRGECLASG  
 IEEEPVIEYF AHGDLTNNTF VVFDTVRPVF DDVFGEDSID AYRWTASEDF PSIPKAFNSP  
 YLYWTIGVTP RDQWTEAVER DRVASDV PAN HMGDFLPDYA PTMSAATRAA AAALLTYLGT  
 N

> RXA02105 (1-291, translated) 97 residues

MVGTISTYIA FNGNTTEALK HWQEVFGGEL NLLTYGQLTL EGMPFDPPAD ALAHGVLTL D  
 NGGLISGSDS FEGEMLVKDT AYSMLYNAES VEDGRAR

> RXA02111 (1-1284, translated) 428 residues

MTTSITPSVN LALKNANSCN SELKDGPWFL DQPGMPDVYG PGASQNDPIP AHAPRQQVLP  
 EEYQRASDDE LHRRIREAKD TLGDKVVILG HFYQRDEVIQ HAD FVGDSFQ LARAAKTRPE  
 AEAIVFCGVH FMAETADLLS TDEQSVILPN LAAGCSMADM ADLDSVEDCW EQLTSIYGDD  
 TLIPVTYMNS SAALKGFVGE HGGIVCTSSN ARSVLEWAFE RGQRVLFPPD QHLGRNTAKA  
 MGIGIDQMPL WNPKNPLGGN TVSELENKV LLWHGFCSVH KRFTVEQINK ARAEYPDVHV  
 IVHPESPMPV VDAADSSGST DFIVKAIQAA PAGSTFAIGT EINLVQRLAA QYPQHTIFCL  
 DPVICPCSTM YRIHPGYLAW ALEELVAGNV INQISVSESV AAPARVALER MLSVVPAPV  
 TPSSSKDA

> RXA02118 (1-342, translated) 114 residues

MSDQLAPCPE CSSEYTYENG GVLVCPMCAH EWVEGEVAEE TATVIKDSVG NILNDGDSVS  
 IVKSLKVKGG GAIKIGTKVS GIRLLEEPVD GHDIDAKVPG FGQMLKSSV VKKA

> RXA02120 (1-762, translated) 254 residues

MSDLKSLATK FASDHESGKL LVLPTVWDTW SAGLVEEAGF SGLTIGSHPV ADATGSSDGE  
 NMNFADYMAV VKKITS AVSI PVSVDVESGY GLSPADLIAQ ILEAGAVGIN VEDVVHSEGG  
 RVREAQEHAD YIAAARQAAD VAGVDVING RTDAVKLGAD VFEDPMVEAI KRIKLMEQAG  
 ARSVYPVGLS TAEQVERLVD AVSVPVNITA HPVDGHGAGD LATLAGLGVR RVTFGLWQK  
 WLAATSAQQL KGWA

> RXA02126 (1-321, translated) 107 residues

MGQKV TAGRD ILGEFAPKSA ELNDDVLFQ VWSRESELSP RDRSIVIVTM LMASGVLDSA  
 FESHVQRAKD NGVTAE EIAE IITHVAFYAG WPKAWAAFRI AKDIYTK

> RXA02192 (1-522, translated) 174 residues

IPDIGFVQFQ TPPDETRNSV NAALEAGYRH IDTAAAYGNE REVGEAIAAS GIGRDEITIE  
 TKIWVTDYGF EETLHAFDKA TGKLGVDTL D ILILHQAVPS SFDRTIAAYK ALEKLLFDGA  
 VRAIGVSNFM PEHLDKLLE TSIVPALNQi ECHPYFQORD VLARNEQLGI LTQA

> RXA02214 (1-609, translated) 203 residues  
MSPTVLPATQ ADFPKIVDVL VEAFAANDPAF LRWIPQPDPG SAKLRALFEL QIEKQYAVAG  
NIDVARDSEG EIVGVALWDR PDGNHSAKDQ AAMLPRLVSI FGIIAAHVAV TDLSSARFHP  
KFPHWYLYTV ATSSSARGTD VGSALLNHGI ARAADEAIYL EATPTRAAQL YNRLGFVPLG  
YIPSDDDGTP ELAMWKPPAM PTV

> RXA02215 (1-867, translated) 289 residues  
AQELLVKLLP HSGNALRIGI TGVPVGKST FIEAFGLHLI EQGHKVAVVA IDPSSTKTRG  
SILGDKTRMS KLSNAENAFI RPSPSAGTLG GVAKATREAM VVFEAAGYDI IIVETVGVGQ  
SEVAVSHMVD IFTFLALSGA GDQLQGIKKG VLEMAELVAI NKADGPNEKP AKRAARDLAS  
ALRMVRSPE LWHPPTITMS AVEGTGVDTF WHHVQNHHKT MVEAGEFDRR RRDQQVGTW  
SMVHETIRMR LENDPGVQVV SQDMERALRK GSTTPTLAAQ NILEAFDKA

> RXA02264 (1-120, translated) 40 residues  
MIPGEYILSS ESLTGNVGRE AKTIEIINTG DRPVQIGSHF

> RXA02265 (1-300, translated) 100 residues  
LHITPREQEK LMIVVAADLA RRRKDRGLKL NHPEAVALIT YELIEGARDG RTVADLMSWG  
STILTRDDVL EGIPEMIPDI QVEATFDDGT KLVTVHNPRI

> RXA02274 (1-1602, translated) 534 residues  
YAAIGEEVAF GGGKVIRDGM GQNGTLVRDV DIPDTVITNV IVLDYTGVIK ADVALRDGKI  
FRIGKAGNPN VMENVDIVIG VATDIIAGEG KILTAGGIDT HVHFLGTDQV NTALASGITT  
MIGGGTGPSQ ASMATTVTPG QWNTYNMLSA FEGMPMNFGI LGKGHGSSKS PLAEQVRAGA  
IGLKIHDWG ATPSSINTAL EVADDMDIQV ALHSDTLNEA GFVEDTIEAI AGRVIHTFHT  
EGAGGGHAPD LIRVAALPNV LPASTNPTLP YTRNTVEEHL DMVMVAHHLN PDIPEDVAFA  
DSRIRAETIA AEDVLHDMGI FSITSSDSQA MGRVGETITR TWQVADHMKR TRGSLTGDAP  
YNDNNRLRRF IAKYTINPAI AHGVDYVVRV VEEGKFADLV LWDPKFFGVK PDLVIKGGML  
VNSLMGDSNG SIPTPQPRTL RNTWGAFGQA VSRSSITFLS QDAIDANVPD LLNLRKQIRG  
VRGVRNLTKR DMKLNAMPD IRVDPETYQV FVNGELITSK PAETVPMARR YFLF

> RXA02275 (1-471, translated) 157 residues  
MIITAITDNI YDEPEFVEGR DVIGVRFEDL VLDKRIQVA LPGGEELGLR LNHGHPILRE  
GDVLKADDKT VVFVEIIPD VLVITPSDIH QMGFVAHSLG NRHLPAQFSK PGELTEKAAM  
IVQYDHTVVS FLDEHGIEYQ RTELVPPIPF RSHGHTH

> RXA02276 (1-678, translated) 226 residues  
MDLDADFLLL HLSDSALPTG AFAHSFGFET YMDAERITNA EEFQDWLKV LKVQLTSSDA  
LAMRMFYATP TVSELKRLDE RLFAGTPARE IREANARMGT RMAEIVAETY SVPLIVEYLE  
LIQHRELSGH PALALALATH SAGIDVDRAI HAHLTATVSS LIQNAVRGIP LGQMAGQVRM  
FAMREHIGAA VKRSANLDEI DFCSGDPGLD ISQMVHETQR ARLFMS

> RXA02277 (1-615, translated) 205 residues  
MGPIRIGVGG PVGAGKTQLV ERITRALIDE VSMAAITNDI YTIEDAKILA ANGVLPPEERI  
VGIETGGCPH TAIREDTSMN DAAIKDLVER FPDLELIFVE SGGDNLSATF SPELVDFSII  
IIDVAQGEKI PRKAGQGMKI SDLFIINKTD LAPYVGANLD VMVEDAKAFR KNKPFCLTNL  
RTDDGLDKVL EWIRHEVMMQ DLQEA

> RXA02278 (1-849, translated) 283 residues  
MTQTQPVGTL RLTIDDQGPQ GQSRVAVQFH QGALRVIRPH YLDDSGQVCY TIIAIGGGYL  
GGDVYEQQFT IKDNAKALIT TQSATKIYRT PQGPATQHT E INVGENAVLE YLADQTIAYR  
EATYHQFTKV ALHPSATFVM SEQITPGWHP DGKHFAYDEM RLHTEITDST TGRLVLLDNL  
LLRPDSREGS FGWTEQYTHS GQMIVMGEV DKQLVAELNE QLAHPDVYG AVNFLSAPGT  
LLRGFIARTL SNRTEELINL HEHIASLLRG RWRGQEPVNL RKY

> RXA02316 (1-1014, translated) 338 residues  
MSTPTVDEIL ERAHVVS LPM RVKFRGVTT EALLIEGPAG WGEFAPFLEY DPQESASWLK  
SGIEAAWEGF PAPLRDRVEV NATIPAVPAD QVAEVLDRFP GCRTIKVKVA EPGQTLADDI  
ARVAAAREAR PGAIIRVDAN CGWSVEQAVE AAQALAPLDY LEQPCATVEE LAEVRMTVQR  
RGLFVRVAAD ESIRKSDDPY RVADLRAADV AVVKVAPLGG VKRVLEVVOH LRARTMDITV

ASALDTVVGM NAGLAAVAAL PKLDDDDLID VPPAAAGLAT SQLFLEDVAT PHAITDGFME  
TRVIAPEMDR LETLAASKDR RDWWFERVRE SYPYLETI

> RXA02317 (1-612, translated) 204 residues  
MAHMRLLLTG FGHDRHDFV RGTVAIPDA TRLFADSPEA APFMETERNM LREHGLSIRE  
LPISTSTPEE VDRVLGEVDG VYVAGGETFD LMWLLRSTGN DEVLIKHVRA GLPYIGTSAG  
AVIAGPSIEP ISFLDSPDVA PNLSDYSGLG LCEHVVVPHA GGTIPQFPID VFAETVRTYG  
AEFPLVLLKD GQALLIDDHG VHLL

> RXA02334 (1-354, translated) 118 residues  
GVLDPWMSTA TQPSNTGVLR GEHIPGAINL DWSDAVLPNG NFRTRAELDK LYADLNPADD  
TVVYCQVGDR AAHTWFVLKY LLGFNNVRNY DGSWAEWGNN VRMPIETGEN TKNNVSVS

> RXA02351 (1-939, translated) 313 residues  
VEGSVEKLGL ISWWEELART AERGLDAVF LADGQAINPV GLENGPGWFL EPVTALTAMA  
RATNNIGLIS TISSTFWQPF HAARMIASLD HISGGRAGIN VVTSMTDAEA RNHGMDALPG  
HDVRYARAAE FIETITALWD SWPAESLVM D RAGKFADSSL IKSIDHDGEF FQVAGPLNIP  
SPPQGRPVLF QAGSSPQGRE IAAKYAEAIY SVAWDLEQAQ DYRSDIHARA TAQGREPMPV  
LPGLVTFVGT TVEEARAKQQ ALNALLPVKD SLNQLSFFVG QDCSTWDLDA PPPPLPPLEE  
FSGPKGRYET VLR

> RXA02410 (1-666, translated) 222 residues  
MDMGPGVLAA VQEIQDPADA HVIFSHLHTD HCADFASLMV WRRFHPTLAA KSRNLLFGPE  
DTPNRLGRLS SDEPDGVDDM SDTFAFDAWE ERKPELIDNF TVTPFRVHP IETVALRVEE  
HRTGASITYS GDSAYTEALI DAARNVDIFL CEATWGTS CD DKAPGMHMCQ QDAGRIAAAA  
GVKKLIITHV PPWIDAEATV AAAAEHFDDG IELARSGMVI EF

> RXA02411 (1-849, translated) 283 residues  
MATVTDFSGS MIERPVPDAD APIGIFDSGV GGLTVARTII DQLPHESVIY IGDTANGPYG  
PLPIAKVREH AIRIADELVE RGCKMIVIA C NTASAAFLRD ARERYSPVV EVILPAVRR  
VASTRNGKVG VIGTVGTINS GAYQDLFSAS PSIVVNAVAC PRFVDFVERG ITSGRQILNI  
AQDYLEPLQA EGVDTLVLCG THYPLLSGVI QLAMGDHVS L VSSAEETAKD VLRILSQDL  
LADPDMHPEP SYSFESTGDP EIFAQLSRRF LGPIVSQVRQ NEG

> RXA02448 (1-1089, translated) 363 residues  
VNNSLAFNHD TLPQKVMFGY GKSSAFLKQE VERRGSAKVM VIAGEREMSI AHKVASEIEV  
AIWHDEVVMH VPIEVAERAR AVATDNEIDL LVCVGGGSTI GLAKAIAMTT ALPIVAIPTT  
YAGSEATNVW GLTEAARKTT GVDLKVLPET VIYDSELTMS LPVEMSVASG LNGLAHCIDS  
LWGNADPIN AVLAAEGIRA LNQGLPKIVA NPHSIEGRDE ALYGAYLAAV SFASAGSGLH  
HKICHTLGGT FNLPHAQTHA TVLPYVLA FN AGDAPEAERR AAAAFGTDTA LEGLQRLRLS  
VNAPKRLSDY GFEASGIAEA VDVTLKVPV NNPRPVTREN LSRLLEAALN GEDPAVLSAV  
LSN

> RXA02449 (1-903, translated) 301 residues  
MTTTTADHNI SAQQKAVEEN LVNRVLQSF D ACENPRLKQL MESLVVHLHD FIRDVRLTED  
EWNIAIDFLT AVGHITDDKR QEFVLLSDTL GASMOTIAVN NEAYENSTEA TVFGPFLLDD  
APEVELGGDI AGGAQQA AW IEGTVTDTEG NPVPNARIEV WECEDEDGLYD VQYADERMAG  
RAYMHTDANG DYRFWGLTPV PYPIDHDPV GNMLKAVGRS PVRCAHLHFM VTAPELRTL  
THIFVEGDPQ LEIGDSVFGV KDSLIIKKFEE QAPGTPTPDG RDLGDQTTWAR TRFDIVLAPG  
A

> RXA02470 (1-981, translated) 327 residues  
MFERFTDRAR RVIVLAQEEA RMLNHNHYIGT EHILLGLIHE GEGVAAKALE SMGISLDAVR  
QEVEEIIIGQ SQPTTGHIPT TPRAKKVLEL SLREGLQMGH KYIGTEFLLL GLIREGEGVA  
AQVLVKLGAD LPRVRQQVIQ LLSGYEGGQG GSPEGGQGAP TGGDAVGAGA APGGRPSSGS  
PGERSTSLVL DQFGRNLTQA AKDGKLDPVV GRDKIEIERIM QVLSRRTKNN PVLIGEPGVG  
KTAVVEGLAL DIVNGKVPET LKDKQVYSLD LGSLVAGSRY RGDFEERLKK VLKEINQRGD  
IILFIDEIHT LVGAGAARRR NRRCLPA

> RXA02471 (1-1833, translated) 611 residues  
VQHEGAIDAA SLLKPKLARG ELQTIGATTL DEYRKHIEKD AALERRFPV QVPEPSVDLT

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VEILKGLRDR YEAHHRVSIT DGALTAQAQL ADRYINDRFL PDKAVDLIDE AGARMRIKRM
TAPSSLREVD ERIADVREK EAAIDAQDFE KAAGLRDKER KLGEERSEKE KQWRSGDLED
IAEVGEEQIA EVLANWTGIP VFKLTEAESS RLLNMEEELH KRIIGQDEAV KAVSRAIRRT
RAGLKDPKRP SGSFIFAGPS GVGKTELSKA LAGFLFGDDD SLIQIDMGEF HDRFTASRLF
GAPPGYVGYE EGGQLTEKVR RKPFSVVLFD EIEKAHKEIY NTLLQVLEDG RLTDGQGRIV
DFKNTVLIFT SNLGTADISK AVGLGFSGSS ETDSDAQYDR MKNKVHDELK KHFRPEFLNR
IDEIVVFHQL TKDQIVQMVD LLIGRVSNAL AEKDMSIELT EKAKDLLANR GFDPVLGARP
LRRTIQREIE DQMSEKILFG EIGAGEIVTV DVEGWDGESK DTDRAKFTFT PRPKPMPEGK
FSEISVEAAE AIQDVDSAAD GDVPETDSLS DIDLETLEKF EEDVENGTDI DQVSGDYYGT
DDQGGTAPSK E

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> RXA02477 (1-621, translated) 207 residues
MPLRNVDRTP PAVWEALLAG NERFISFNEF RPNQDAPRRR ELRNGQTPAA VVISCSDSRV
PVEIIFDVGL GDLFVVRTAG EILDQAVLAS IEYATESIGV PLVIVMGHES CGAVAATAAA
LEGGALPGGY QRVLVEKVAP SILEAKAEGE SSIKEFEEHH VVATVNQLLS RSPEIHQKVE
TGELGIIGLR YRLSDGRTEP VISKNVG

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> RXA02497 (1-927, translated) 309 residues
VRLGVLDVGS NTVHLVAVDA RPPGHPTPMS NWRTPRLRVE LLDDSGAISE KGINKLTSAV
GEAADLAKTL GCAELMPFAT SAVRSATNSE AVLDHVEKET GVRLSILSGE DEARQTFILAV
RRWYGSAGR ITNLDIGGGS LELSSGTDES PDLAFSLDLG AGRLTHNWFD TDPFARKKIN
LLRDYIDAEI AEPARQMRTL GPARLAVGTS KTFRTLARLT GAAPSSAGPH VTRTLTAPGL
RLIAFISRM TAADRAELEG ISSDRSHQIV AGALVAEAM RALDIDKVEI CPWALREGVI
LTRIDKGLE

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> RXA02513 (1-732, translated) 244 residues
MLPIWMGLPF KKAGALSRRK AVFSALGADA LMGAALPTIP TAQAQTPTGY GFDTASISE
EPEFSTQQLA DGGTLGFDCY RIPSIGVAPN GNVLASWDGR PNNCSDAPQP NSIVGKVSTD
NGATWGEQHD ISAGITAEPK TGYS DPSIVV DWERGDVFNH HVKSFDAGYF TSQPGTDPDD
RNVAVHAYAK SSDNGSTWVA DTVITDQVVA HDTWDSRFAT SNGIQLQYG AYKGRVLQPS
VTRM

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> RXA02526 (1-1206, translated) 402 residues
VITEDDAAQI NQAAVLSNID REKLWEDAKN VGYPILGLVR QIASHLPEGP NGRVHYGATT
QVIMDTGLVL QMTASLNALD KQIVRLGNAL AARAEHKDT VMPGRTHAQO AIPTTFGATL
ATFLDQIRRO RERLEEALER VRVISLFGAG GNNAAQGEQA ATVRAEMARL LDLKDPVVSU
HVERDVLGDF GWVCSTLCGS MAKFGRNIVD LSRTEIGEVF EPYNSHRGAS SMMPQKVNPI
SSELMIGISV VAGALTSTLP RLQESGHERA AGEWQGEWLV IPTLANLAGA ALDEAIVVAE
GMRVDTDRMS SNLAFAGGLI MAEAQMIQLA PALGREKAHD LVYEASTKTR EEHTTLAEEL
PIIAVQHGV E DLLPKNFAQP ADYVGEAQSM VNAAVAAWNA QL

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> RXA02530 (1-450, translated) 150 residues
MNRPDPKTPA GTLVAGYYGA YENEFSAFV RPVKVSRVEP TSEDPSSPLR VSSDDGREWI
TRMVLNATGT WTNPYVPYIP GIDKFQKQL HTVNYRKAED FKGKKVLVVG GGLSAVQFLL
ELEGLAETTW ATRRPRTYAA RVRRLGHCG

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> RXA02531 (1-711, translated) 237 residues
MKIPLYMAEE AAALNLLADG RLALGVSRGS PEPAEKGWEA FG YDGGDDPK AAGMAREKFL
RFLDAIDGRP MSIASENQYP RLYHPGTPLP IFPHDLDLGK SIWWGAGSHN TAEQAARDGV
NLMSSTLVAE ATGQSFGDLQ ADQIAFYRQA WKEAGHDWTP RVSVRSIFP IVTDRDRELF
GLQGQGGDQV GILDDTRSTF GRSYAGSPDE LIDQLQGRQS CDGSRHLDAH RPQPNGC

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> RXA02535 (1-1155, translated) 385 residues
VTPRPVSSVA RLVEDNAQDF LRAVQAKLLT LAPQARGHFP TADDATHISI AEMVSALLEG
TGEEGKVDDK TLEFFKEAAL DARRFGLTPE MHSALGEAVR SELLSLCELD PFENVLFAER
AIAATTAVSV EAVREADEAH IPASYQAEIV EVEKRSRRFT VVRMQAETQL PYLPGQYLAA
TADFLPNTWR YLCPSIPTNE WGQVEFHIQS DADDIAGLLA TTRLGDKWRL GPGRGDFGQS
KISSGNLLF IAHTGTGLAPL RAYMFELMNQ AAPRLHFFV GADYPGELEY LTGMWNFAAA
SPWLSVVPVS THDKDAWWVQ ATEASQPPRG LHLHQTGSMA KIVTEAGAWA DRDVLIAAPE
SWARDVRRAM IRRGTPAQOI EILGF

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> RXA02548 (1-291, translated) 97 residues  
 PPIYFSHDRE VFERDGMWLT AGEWGGPKKG EEIVTKTVRY RTVGDMSCTG AVLSEARTID  
 DVIEEIIATST LTERGATRAD DRLSESAMED RKKEGYF

> RXA02558 (1-975, translated) 325 residues  
 MSTIEERTPG AVATEPVGHE GARVSINEKN VWSLGAGPAA FALLAMIVLM IASGVFFAQS  
 INTLENDGGG TLAVTGGLIAS IVVFTVALVV TITSVKVVSPT GHTLTVQFFG RYIGTLRRRTG  
 LSFVPPLSVT KKVSVRVRNF ETNEAKVNDY NGNPINIAAI IVWQVADTAQ ASFSVEDFEE  
 FLHQQAESAL RHVATQHPYD SPVDGRVSLR GATDEVSEEL ADEVAQRAAV AGLEIVEARI  
 SLSYAPEIA QAMLQRQQAS AIVDAREKIV EGAVTMVETA LDQLEQREIV DLDPERRAAM  
 VSNLLVVLCS DTNAQPIVNA GSLEYQ

> RXA02565 (1-342, translated) 114 residues  
 AALGDLADEV EIEHLISEEA TVSPTDSRLY NTLEKVLGDF FPDAPVVPII SSGGSDLRFG  
 RRLGGVGYGF AVHARERTLA EAMGQLHSHD EALYLEDLEL TVRGYDSVVR EFLG

> RXA02567 (1-738, translated) 246 residues  
 LIRNACVNDL TPDSGQEIRN AESLERFFEG TPNVKITKLE PHPGRTSIIV TVPGSDPDAAE  
 PLTLLGHTDV VPVDLPKWKD DPFGEAISDG QIWGRGSVDM LFITATQAAV TRQVAREGGL  
 RGTLTFTVGVA DEEARGGLGA KWLSEEHQNL FSWKNCLSES GGSHPVVDG SDAVINVGGE  
 KGAAQRRIHV NGDAGHSIP FDRDSAIVKI GEVARRIAAA DLKVAKDDIW QGFVQAHFRD  
 PETEQA

> RXA02574 (1-1008, translated) 336 residues  
 LARAQIPEQQ RDQVASLMMV GVANYDQALD ALNQGCVGGIF IGSWTDENLL TEPGRNIEAL  
 REAVGRDFSV SIDFEGGRVQ RATNILGDFP SPRVMAQTMT PEQVEDLAEI LGTGLAAHGV  
 TVNFAPVVDV DAWGLPVVGD RSFSNDPAVA ATYATAFAKG LSKVGITPVF KHFPGHGRAS  
 GDSHTQDVVT PALDELKTYD LIPYQGALSE TDGAVMVGHM IVPGLGTDGV PSSIDPATYQ  
 LLRSGDYPGG VPFDDGVIYTD DLSGMSAISA THSPAFAVLA SLKAGADQAL WIDYGSLSGA  
 IDRVDAAVSS GEYPQEQMLA SALRVQLLYI TRLEQK

> RXA02589 (1-765, translated) 255 residues  
 MSISDNRSRQ LGELPAGRPL QSDFDNDLDY PRLGSVTFRR GTLTENQQTMT WDEKWPELGR  
 VLEDELIDVD AWFEGREGAKT IVEIGSGTGT STAAMAPLEA DTNIVAVELY KPGLAKLMGS  
 VVRGEIDNVR MVRGDGIEVL NRMFADGSLD GIRVYFPDPW PKARHNKRRI IQSGPLNLFA  
 KKLKPGGVVH VATDHADYAE WINELVEVEP LLEYKGWPWE ECPQLTDRQV ITKFEGKGLE  
 KDHVINEYLW QKVQN

> RXA02592 (1-771, translated) 257 residues  
 MASFPPEPAL RRLATLGRSW GLLSDFKYEQ TRPDIFYGNL ALDTSSLVAA LSEDISGAGL  
 NDLKVLVDVG GPGYFAEAFE TLGATYFSVE PDVGEMSAAG IDVHGSVRGS GLDLPFLPDS  
 FDVVYSSNVA EHVSAPWELG EEMLRVTRSG GLAILSYTIW LGPFGGHETG LWEHYVGGEF  
 ARDRYTKKHG HPPKNVFGES LFNVSCREGL EWGASVGNAE LVAAFPYHP YVWVWVMVKVP  
 VLREFAVSNL VLVFKKH

> RXA02603 (1-996, translated) 332 residues  
 VSEHAAEHHR DTQNFILTSEP HTTAIEDNKK RQPPKNLADG MIKALRPKQW VKNVLVLAAP  
 LAAGADAIFN QRTIIDVAIA FVVFCEGASA IYLVNDARDV EADREHPTKR FRPIAAGVLP  
 VGMAYGMAVA LIALSIGLSF LATDGVALLAC VIGVYIALQL GYCFGWKHMP VIDIALVSSG  
 FMLRAMAGGV AAGIELSQWF LLVAAFGLSLF MASGKRYAEI LLHERTGAKI RKSLESYTPT  
 YLRFVWMAA TAVVMSYALW GFDLSQHSTD AGPWYQISMV PFTIAILRYA AGVDTGDGGA  
 PDEVALSDKV LQVLALAWVF CIVMAVYIMP MF

> RXA02630 (1-1323, translated) 441 residues  
 MTNQFPTNNG ENPDRASTEP SETNSFEHVR SSYPQWNTA SNQNPYPGAG FGSEQNTQQG  
 NEQQAPAWTS WDNQPLSTDV KPAKEKRKVG IGTALALMLV GSIATGSVVG VAATQLGSDS  
 STPVNALEQP SVQRTTNAEP GSAEQVAAV LPSVVSIAI TRTSASEGSG SISSDGYVM  
 TNNHVVAGIE QSGVLEVSFS DGTTAQADFI AGDPSTDIAV IKIRDVSNLP VMSFGDSDAL  
 GVGQSVMAVG SPLGLSSTVT TGIVSAVNRV VRASGDGGES SLIDAIQTDA AINPGNSGGP  
 LVDMDGNLIG MNSVIASISS TSDSAGSIGL GFSIPSNAF RVADQLISTG QVTQPMIGVQ  
 VGTDNSVTGA VIASVQDGGP AADAGLQPGD IVTKLNDRVI DSPDSLIAAV RSHDFGETVT

LTITQPDTSQ SREVEVTLTS E

> RXA02641 (1-2076, translated) 692 residues

MLAIILTAVL GASGLAAAGT QYLNTQGEI GPVAVQNDSE SFNSGTVNVV EDAAVTAQGE  
 GGGARTVKEF QRDQQFSSFA LTWTGKKDIT AFVRAEQEDG TWSQWYDLEP MVNEDQGTNG  
 TELIWHGPTN KIQVSTLNVD LFGADAAAAD ENGQDIPAVD AAEAAPAAEP APAEAPVEEA  
 PAPVAEPAPA AEPIAEPVAD YSANDGLAPL PSNYGDIQPV ADVDDGLNAV FIDGNADAGV  
 GIANVADTDG MPKVISRAGW GADESLRCSN PTIDDGVSAI TIHHTAGSNN YTEAQAAAQV  
 RSAYSYHAKN LGWCDIGYQS LVDKYGNIYE GRAGGMTNAV QGAHAGGFNQ NTWAIISMIGD  
 YSYNAPPQET INAVGELAGW RAKVAGFDPT GTDTHYSEGT SYAKYSYGTR VSLPNILAHR  
 NVGLTACPGD AGYAQMENIR QIVKAKYTSL QNGNTGGTTT TPATTPKETS TSNA PSTTTA  
 QLVTPAEPQQ YSESDALAAL LTGGSSGGTD LLNGANSEQL LTGLGSIAAV LIAASLADGG  
 LNGLISNVGS NNGVPVLGDI KITDVIPIVD TAINLTGDNK YSRGWNDLNN TLGPVLGAAT  
 GGETTVKYTS DQNSEVTFVP FENGIMVSSP EAGTHGLWGA IGDAWAQQGA DLGPLGLPTS  
 NEYTVGEQLR VDFQNGYITY DSATGQASIQ LN

> RXA02643 (1-1044, translated) 348 residues

MKNVSFGLDT FGDNAIDLQG NPVSPAQTLR NIIDEAKMAD KVGVDIIGIG EHHREEYSVS  
 APDIVMTAIL ASTERLKVTS SVTVLSSDDP VRLFERYSTM NALSNGRAEI TLGRGSFIES  
 FPLFGFDLQD YEQLFSERLD LFAKILEADS RGQGVTHWGE TRSALENQML YPPTENGIHA  
 WVAVGGSPES VVRAAKYRFP LMLAIIGGAP ERFRPYVDLY KRANEQFGQP QKPIGVHSPG  
 LIAATDEEAR ELALNDWLEL QRKIGAERGW APADAMQFER EIDHGSLYIG SPETVAKKIA  
 KTISVLDLDR FTLKYASGQT PHEYLLKSIE LYGTEVIPLV KDILTKQA

> RXA02644 (1-651, translated) 217 residues

MAHLTQYQLP QAGQVFEHEL EIKRSRFLTY ITRVQDQEQE REFIHSIKEL YPDARHHCSA  
 FIFHVDGSND VERSSDDGEP SGTAGKPMLE ALRGSGMKDI AAVVVRYFGG VKLGTGGLVN  
 AYTNVATELL PEVLQVTRSV REIFKIDLPD SDAGRIEANL RGMGIIITDT EYGAEVITYL  
 ALLPGEQAAV ESQSSMMGA EIELKESGHM WVESPSD

> RXA02702 (1-1458, translated) 486 residues

VTTPHLDSAQ DIDLSRVHLI GIGGAGMSGV ARILLARGKT VTGSDAKDSR TLLPLRAVGA  
 TIAVGHAHEN LELSGELPTV VVTSFAAIPQ DNPELVARE EGIPVIRRS LGLLELGST  
 QVLIAGTHGK TSTTSMSVVA MQAAGMDPSF AIGGQLNKAG TNAHHGTGEV FIAEADESDA  
 SLLRYKPNVA VVTNVEPDHL DFFKTPEAYF QVFDDFAGRI TPNGKLVVCL NDPHAAELGE  
 RSVRKGIKT VGYGTADAVQA HPEVPAMATI VDSQVVAEGT RATINIDGQE VSVILQIPGD  
 HMLVNGAAL LAGYLVGGDV DKLVEGLSDF SGVRRRFEFH GAIEGGKFNG AAIYDDYAHH  
 PTEVTAVLSA ARTRVKAAGK GRVIVAFQPH LYSRTIEFQK EFAGALSAD AAVVLEIYGA  
 REQPVGDVSS EIITDAMTIP VVYEPNFSAV PERIAEIIAGP NDIVLTMGAG SVTMLAPEIL  
 DQLQNN

> RXA02703 (1-1089, translated) 363 residues

MANSPKPMRV VVAGGGTAGH IEPALAVAEA LRDKHGATVS ALGTARGLET TLVPDRGFEL  
 HLIEPVVPR KPNMDLLKLP FRVAKALGQA RKALKDTEAQ AVIGFGGYVS APAYMAAKSL  
 GLPFFVHEAN ARAGMANKLG VKLGGVGLNA VAGSGMDGDV VGIPIRAVLS GARDESAADR  
 ARDTWGLDKD RQTIFVTGGS QGSVSINKAV EQAVDQVLEA GFQVLHAVGK KNELPAAPG  
 YHPVPFIDDM QAAYTVADLI VCRSGAMTVA EVTAAGVPAI YVPLPHNGE QALNAQAVIK  
 AGAARQIDDA DFTAQTLIDA TLDILLHPST HQSMSDAKT STAGNASTVI ADMIAATINS  
 QHN

> RXA02704 (1-1689, translated) 563 residues

MTTGASKKPA RPNTGAKTRT GLGIRERISG AWNDLLARPL TDYIMILCIV VILSCLGVVM  
 VYSSSMTWSL REGGSVWGTA VRQGIMIVLG FFAMWVALMT RPQTIRNLSN LILIVSIVLL  
 LAVQIPGIGT GKEEVGSQSW IALGPIQFQP SEIAKVAIAV WGAHYLAGKG PVQHWFFNNHL  
 MRFGGVGAFM AFLIFMEGDA GMAMSFVLV LFMLFFAGIA MGWIAIAGVL IIAALAVLAL  
 GGGFRSSRFE VYFDALFGNF HDVRGIAFQS YQGFLSLADG SGLGVGLGQS RAKWFYLPFA  
 KNDFIFAIIG EELGLWGGAL VIALFAGLLY FGLRTAKKSH DPFLGLMAAT LTASVVSQAF  
 INIGYVVGGL PVTGIQLPMI SAGGTSIIIT LASMGLLISC ARHEPETVSA MASYGRPAID  
 RLLGLREPSS TLTTNSASLR SNKTKAAKQK PSPQKESRDR FGEPVTARRA QAPRSGRAGV  
 QSEAPRRSTG SVKGRSSGQD NGRSNEGTR SQSTTGGRRA DRSVDRSRQS RPTERRSESR  
 AMIGVTTATA DKCEIRRTTN KDG

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> RXA02705 (1-1416, translated) 472 residues
MGSLSHLPQA LQGRILVAGA GVSGLSIAKM LSELHCDVVV ADDNETARHM LIEVVDVADI
STAQAQEQLD SFSIVVTSPG WRPTSTLLVD AHRQGLEVIG DVELAWRLDQ AGVFGEPHTW
LAVTGTNGKT TTSTMLAAMM NEGGFTAKAV GNIGIPVSEA LVAKNRIDVL VAELSSFQLH
WSPTFTPDAG VVLNLAEDHI DWHGSMRDYA LAKMEVLK GK VAIIGADDPY LVQLTSEADL
SGLIGFTVNE PATGQLGVKA GELVDNAYGN NVVLASADGI NPAGPAGVLD ALAAAAVARS
QGVAPAEIAR ALDSFEVAGH RGQVVAEHDG VHFIDNSKAT NPHAADSALA GHDSVIWVVG
GQLKGADIAP LVKKHEQRIK AALVLGADRA EIVAALKEHA SQASVFVTDK TEPFEAMEEI
VTEAFSISEP GDTVLLAPAA ASLDMFKGMG QRGDLFAHNI IGTIKGLTEE KG

> RXA02706 (1-1098, translated) 366 residues
MQQIMVSGTV AFLVSIFLTP VLIRYFTNRQ LGQEIREEGL QSHLRKRGTP TMGGIAIIAG
IVVAYVFTNI LAMIQGVGGF TVSGLLVGL TLGLGATGFA DDFIKLYMNR NLGLNKTAKL
VSQLAIALIF GFLVLQFPDE NGLTPASTHL SFIRDIDTID LGFGGSVFGI IVFLIFIYVV
VSAWSNAVNI TDGLDGLAAG TTAFFVMGAYT LITFWQFRNS CDTAVEAGCY TVRDPLDLSV
LCAAGLGATL GFLWVNAAPA KIFMGDTGSL ALGGLVAGIS VVSRTLLMV IIGALFVIEI
ASVAIQIGVF KTRGKRVFKM APIHHHFEAL GWAETTVTIR FWLIAIMAVL AGVGVFYSDW
LHLAEV

> RXA02707 (1-345, translated) 115 residues
MGELGDDASE AHAELGAELA KYNVQELVAV GENPNCAALA ESAASLGVST HVVSDVDAAL
ELLAGHIKRD DVVLVKASNA DRLWRVAEAL HGMVPGKNT GGSVNDDSRR NVEGQ

> RXA02708 (1-435, translated) 145 residues
MAPRTKARVV WFTTDAGQAK KSDYWATSIS LDAVARASFT LNTKDGSWPV TLQVFGEHQV
ANALAAAAIA MEAGVAPELV VAGLEAHSAA SAHRMDVKTR ADGVTIINDS YNANPDSMRA
GIAALAYTAS GRSEATKLGS AWPNG

> RXA02709 (1-729, translated) 243 residues
MTLGEIADIV GGRLTGGAQE DTLVSSSVEF DSRSLTPGGL FLALPGARVD GHDFATAIE
KGAVAVLAAR EVDVPAIVVP PVKIQESNAD IYAHDPDGHG AAVVEALSRL ARHVVDICVA
GHQLNVVAIT GSAGKTSTKD FIATVLDQDG PTVAPPGSFN NELGLPHTAL RCTTDTKYL
AEMSARGIGH IKHLTEIAPP RIAAVLNVGH AHLGEFGSRE NIAQAKGEII EALPSKKTAR
YQS

> RXA02710 (1-1563, translated) 521 residues
MATLLDLTK LIDGILKGS QGVPAAHAGE QAIAAIGLDS SSLPTSDAIF AAVPGTRTHG
AQFAGTDNAA KAVAILTDAA GLEVLNEAGE TRPVIVDDV RAVLGAASSS IYGDPSKDF
LIGVTGTSGK TTTSYLLEKG LMEAGHKVGL IGTTGTRIDG EEVPTKLTP EAPTALQALFA
RMRDHGVTHV VMEVSSHLS LGRVAGSHFD VAAFTNLSQD HLDHFPTMDD YFDAKALFFR
ADSPLVADKQ VVCVDDSWGQ RMASVAADVQ TVSTLGQEAD FSATDINVSD SGAQSFKINA
PSNQSYQVEL ALPGAFAFNVAN ATLAFAAAAR VGVDGEAFAR GMSKVAVPGR MERIDEGQDF
LAVVDYAHKP AAVAVALDTL RTQIDGRLGV VIGAGGDRDS TKRGPMGQLS AQRADLVIVT
DDNPRSEVPA TIRAAVTAGA QQGASESERP VEVLEIGDRA EAIRVLVEWA QPGDGIVVAG
KGHEVGQLVA GVTHHFDDRE EVRAALTEKL NNKLPLTTEE G

> RXA02711 (1-2112, translated) 704 residues
VTFPSNGRSR GERAGREDTS RRSAYQDES RARERELTR RSGKAKGVNQ EEGVTYRPKS
STQGGARKRR VNMVTAIALV IAGVLIIRLG WVQVWGPPEL SLNASEQRTR VYVDPARRGS
IVDREGNQMA YTMQARSLTV SPNIMREELK TGTDLALRLA AEETDPENVA SYVTIEEGNA
YVFASEEQRE TILSDKVEER IQSIADRIPE IIKSHDQDVT GISSEEILDK LNADSQYEV
VRNVDPDVAS EITDEMPSVA ADHQDIRQYP NGAIGENIIG RISMDGEGQF GFEASNDLSL
AGNNGRSTQD MSILGQAIPG TLRDQIPAI GASVELTVDL DLQTYVQQAL EQAKANSAGE
NASAVVLDAK TAEVLAMANT DTINPNEDTG KQIEQGKSF NPSVTHPFEP GSVAKVITAA
GVIQEGLTTP DEVLQVPGSI EMAGVSVGDA WDHGVPVPTT AGIFGKSSNV GTIMLAQRLG
EDKFADYLER FGVGQPTGIE LPSESQGLLP AREQWSGGTF ANLPIQGMS ITTLQMAGIY
QALANDGERI QPRIIKSVTD SDGTVLEQPE PDKIQVVSAA AARTTVDMFR SVTQVDPTGV
QQGTAPDASI EGYQISGKTG TAQKVPNTG AYSNSQYWT FAGIAPADDP RFVVAIMLDE
PERGVHGGG QTAAPLFKDI ATWLLNRDNI PLSAATEPII LQAQ

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> RXA02713 (1-1011, translated) 337 residues  
MEDFSLDGNH GHVPVMDRDM AALIAEHVEA LGENAVIVDA TLGAGGHAEF FLNTFPKARL  
IGLDRDQNAL RDARARLAPF GERFIGVQTR FDGLREVLES VEGDIIDLAR EHGIAGALFD  
LGVSSMQLDQ VERGFAYRTD APLDMRMDAT QGITAADILN TYSHGDIARI LKTYGDERFA  
GKIASAVLKE REKEPFTTSA RLVELLYDAI PAATRRTGGH PAKRTFQALR VEVNNELDL  
KNVLPQITDA LNVGGRAVFM SYQSHEDKLV KKFFTDLTTS KTPPGPLPVDL PGTAPQFKQV  
TRGAETASEA EIEENPRAAP VKVRAIERIG NNSGDLS

> RXA02716 (1-561, translated) 187 residues  
VSPPIIRKLSI PEFTTNTPV LVDIYIAAMNY DKAIRDTRIE VWRNRNSQNPG FTAVAALMDD  
QVVGVA YGFN GSPDHWWQH LRRGLRQQGG PTEEEIHIIH NYFEVAEVHV QPGFQGHGIG  
RKLMEHELLKD KQNTFAILST PEVDDEANHA FSLYRSLGFT DLLRQFRFDG DQRPFAVLIT  
ALPLHDS

> RXA02722 (1-1326, translated) 442 residues  
MTSPNNYLAK IKVVGVG GGG VNAVNR MIEE GLKGVEFIAV NTDSQALMFS DADV KLDIGR  
EATRGLGAGA NPEVGRASAE DHKNEI EETI KGADMV FVTA GEGGGTGTGA APVVAGI AKK  
MGALTIGVVT KPFEFEGRRR TRQAE EGIAA LKEVCDTLIV IPNDRLLELG DANLSIMEAF  
RAADEVLHNG VQGITNLITI PGVINVD FAD VRSVMSEAGS ALMGVGSARG DNRVVSATEQ  
AINSPLEAT MDGATGVLLS FAGGSDLGLM EVNAAAS MVR ERSDVDNLI FGTIIDN LG  
DEV RVTVIAT GFDAARASAA ENRRAGISAA PAAEPVQQQV PTTNATLPPE KESIFGGARE  
ENDPYLSRSA GARHRIEETR SGGGLFTTGN DRDYRRDERR EDHRDERRDE RRDDRSYDRR  
DDRRDDRRDD RGDDL DVPSF LQ

> RXA02723 (1-477, translated) 159 residues  
DATAAGQNIV ELPWVKSVTV NRALPSTITV ELTEREPAVF IKRADGDHVI DTEGKEIIIG  
TPPVGTVEVS GADEGNSEVL PAVIAVINAI KAQDAQMTES IQVVEAPDQF DILLKMNDGR  
EIIYGSSENN HDKAVAMSTV LKREGQRWNI SSPSMVTVR

> RXA02745 (1-879, translated) 293 residues  
AGISFEVPRG QVLALLGPNG AGKTTTIEMC EGFTAPTSGS IRVLGIDPAT EPDQVRRRIG  
IMLQGGGSYS GIRVFEM LKL AASYNDNPHD PEWLLDLVGL REQRKTTYRR LSGGQQQRLS  
LALALIGRPE IIFLDEPTAG MDAQSRNMVW ELVNDLRRDG VTIVLTTHLM DEAEALADHV  
IIVANGQILA SGTPDELTAQ RDHLEINVS ETTSPDLDR LVDDLSSLNI GVDKARANRP  
LHYS LR TQQA TPD SLAHIVQ AVARQNMIR SLDTGHRSL DVFLDITGKE LRS

> RXA02746 (1-267, translated) 89 residues  
GVQGMTVTET QGFGQQKGHT EVYRGA EYAV DFVPKVKIEV IISDAQAEEV INIIVETART  
GKVG DGKVWM TNIEELVRVR TGERGEAAL

> RXA02813 (1-642, translated) 214 residues  
GALTGGWLVA VD NAARALEA LEFPVS YGGA SGNMTAVHPR GFEIQAKLAE ELGLFDPQWV  
WHS DRTPITA IASALATAAG VVRKIAGDVV FYSQTEVGEL REKSPGGSSA MPHKANPAAA  
IACDGYARRA PGLLATLFDA LDCRLQRGTG SWHAEWATLR ELAAVTHSAV SRAATSIDGI  
TVNV DVMASR VNGPTGHAED LAERALEIYG KGRS

> RXA02820 (1-507, translated) 169 residues  
ANSAEDLSHD PEAAAYFLDE NGDAKAPGTL LQNP DYAE TI RLISEGGPDA FYTGEIAADI  
VERATREVDG FTPSLMSTAD LAAYTPETRE ALCAPYRDKI VCGMPPSSSG GVTVMETLGI  
LNNFDLAQYP PTEVGLDGGL PNAEAVHLIS EAERLAYADR DAYIGDPAF

> RXA02828 (1-558, translated) 186 residues  
MKRRDFLSAL SAGTSLGX F APQLLLAQGM NQPMRAPIHV GKSGLRARDA EALATWYQSH  
VGLQEIGRDG ATIHMGAGGT VLEITQYDG IVLAPMRVAG LYHNAFL LPA RADLARWVLD  
ASARQLRIDG YADHLVSEAM YLTDPEGNGV EIYADRPASD WVWRNGQVEM DSLQIDFYSM  
IATLDG

> RXA02834 (1-495, translated) 165 residues  
DSKGRSVD FK NTIIIMTSNI GSQV LLENVK DAGEISDDTE KAVMDSLHAY FKPEILNRMD  
DIVLFKPLSV NDMSMIVDKI LTQLNMRLLD QHISIEVTEE AKKWLGE EAY EPQFGARPLK  
RFVQRQIETP IARMMIKESL PEGTIIKVDL NDNKELDFKV VKPTS

> RXA02839 (1-417, translated) 139 residues  
 CVVNDYADRK FDGHVKRTAN RPLPSGAVTE KEARALFVVL VLISFLLVLT LNTMTILLSI  
 AALALAWVYP FMKRYTHLPQ VVLGAAFGWS IPMAFAAVSE SVPLSCWLMF LANILWAVAY  
 DTQYAMVDRD DDVKIGIKS

> RXA02855 (1-1185, translated) 395 residues  
 VMEIGVQVAS WMDRRHHDEVI KWRRHLHSHP ELSHMEYRTT EYLASVLKDH GMEPHLFPGT  
 GLMVDIGPEG DSRLAFRADI DALPILLESTG LEFSSTATGV AHACGHVDVHT VIALALACAL  
 NTIELPIGIR VIFQPAEEVM TGGATDVIAH GGLDGVDAIY AIHVEPKLV GRVGVRAIAI  
 TSASDVIEIR VKGEGGHSAR PHLSADVYA LSKLVVDLPG LLSRRVDPRT GTVLVFGTIN  
 AGYAPNAIPD SGIVSGTLRT ADISTWRDMR PLISELVEQV LAPTGVTHEL IYNPGVPPVL  
 NDDVATALLA SAARDMDTQS VVQAPQSSGG EDFSWYLEHV PGSMARLGCW PGHGPKQDLH  
 QSDLVVDERA IGVGVRLFGS LVQQYSSRSE AFLNS

> RXA02859 (1-726, translated) 242 residues  
 QYTVQDQLLHG LLLASGNDA YLLAQELGGD QATLEKVNAL AKELGTQDTF VATYSGLDAP  
 GMSTSAYDMS LIYQHAWQNP VFESIISTDH IDFPGWGDNE GFQVWNDNAL FMNDPDGIGG  
 KTGYYTDDANH TFVGGGLDRGG RRLAAVLLDS TVSDIRPWEQ ARLLIDASLP ITPGSGVGQL  
 GSGSANDVAP ATPELPEPTD NLTSGEGGSQ NTLKLVLVPI GIIIVLLLIAA LAWTFRSPKK  
 KN

> RXA02895 (1-666, translated) 222 residues  
 MAEQLRQFEG RVLPNQSEDL EDQGLGFDLG TVFSRRKVLG FIGVGGAGVA LAACSPSGSS  
 AASSTSSASS SAAATTSAAA ETLTEMKSET AGPYPGDGSN GPDVLEVSGV ERQDITKSID  
 SDTVAEGVPL TLTMTILDMN NNNQPMEGAA VYVWHCDAPG RYSMYDSELE DETYLRGVQI  
 TDKYGQVTFD TIFPGCYAGR WWHIHFEVFP DRDSITDSTN NI

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 MTDPTCTLALDIGATKIAYALVPDNTPTTTLSTGRLGTKEGDSPIEQIRLVLLAGLKAAE  
 EHGLSVARIGMGAPGVILGPEGTIVYNGETLTWAGTDLRGLSREVLNVPFAAHNDVRVW  
 AYGEHHLGTGKDLTGRVLYVSLGTGVGGAIIEDGIMMSPTGTAGEFAEVVCS DHAGLAV  
 RCENVASGTGLTRYNEAAATQLDLPAIMERFHQGDGLAQIITGNLRGFGQALGALVTV  
 LDLSAVVVGGGVAGIGAPVMDPITAGIFDRVLT PNKSVQVLSTSLGAQAAVIAAAKYARD  
 NAF

>RXN00073 TRANSLATE of: rxn00073.seq check: 5738 from: 1 to: 1683  
 MTTTTGSARPARAARKPKPEGQWKIDGTEPLNHAEEIKQEEPFAVKQRVIDIYSKQGF  
 SIAPDDIAPRFKWLGIYTQRKQDLGGELTGQLPDDELQDEYFMMRVRFDGGLASPERLRA  
 VGEISRDIYARSTADFTDRQNIQLHWIRIEDVPAIWEKLETVGLSTMLGCGDVPRVILGSP  
 VSGVAAEELIDATPAIDAIRERYLDKEEFHNLPRKFKTAITGNQRQDVTHEIQDVSFVPS  
 IHPEFGPGFECFVGGGLSTNPMLAQPLGSWIPLDEVPEVWAGVAGIFRDYGFRRRLNRAR  
 LKFLVAQWGIEKFREVLETEYLERKLIDGPVVTNPGYRDHIGIHPQKDGKLYLVKPTV  
 GHTTGEQLIAIADVAEKHGITRIRTTAEKELLFLDIERKNLTTVARDLDEIGLYSSPSEF  
 RRGIIISCTGLEFCKLAHATTKSRAIELVDELEERLGLDVPKIALNGCPNSCARTQVSD  
 IGFKGQTVTDADGNRVEGFQVHLGGSMNLDPNFGRLKLGHKVIADEVGEYVTRVVTTHFKE  
 QRHEDEHFRDWVQRAAEEDLV

>RXN00136 TRANSLATE of: rxn00136.seq check: 222 from: 1 to: 1095  
 MSAVQIFNTVHVNGSSPYDVHIGSGLNELIVQRAAESGAEQVAILHQPSMDDIASELDAA  
 LVAAGLKVHLNVPDAENGKSLEVAGQCWDELGGAAFGRRDIVIGLGGGAATDLAGFVAA  
 AWMRGVRVIVQPTTLLAMVDAVGGKTGINTAAGKNLVGAFHEPDAVFIDTDRLATLPDA  
 EIIAGSAEIIKTGFIADPEILRLYETDPAACLKKEVEGSHLPELIWRSVTVKGSVVGQDL  
 KESSLREILNYGHTFAHAVELRENFRWRHGNVAVGMMFIANLSHKLGLIDAPLLERHRS  
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 Y  
 EAISH

>RXN00177 TRANSLATE of: rxn00177.seq check: 5596 from: 1 to: 1068  
 MSLQFDHETLQQRVLFSGEAAQNLAEEISRLDAKNVMVVAGDFELPMARQVAADIDVKV

WHSNVVMHVPPIETAEEARSVAKENDIDVVVVCVGGGSTTGLAKAIAMTTALPIIAVPTTYA  
GSEATNVWGLTEAARKTTGVDNKVLPVTVIYDSALTMSLPVEMSVASGLNGLAHCIDSLW  
GPKADPINAAMAAEGIRALSAGLPKIVADAQDVGDRDEALYGAYLAAVSFASAGSGLHHK  
ICHVLGGTFNLPHAQTHATVLPYVLAFNAPYAPQAEQRAAAAFGSATALEGLQQLRAQVG  
APQRLSDYGFTAAGIPEAVEIILEKVPANNPRTVTEENLTALLTTALNGDDPATLN

>RXN00178 TRANSLATE of: rxn00178.seq check: 4972 from: 1 to: 885  
MTISAQQQAVEEDLVERVLASFDSCEPNRLKLVMSLTVHLHDFIRDVRLTEEEWNYAID  
FLTKVGHITDDKRQEFVLLSDTLGASMQTIAVNNEAYEDATEATVFGPFFVDDAPLVQNG  
DDIAFGAVGQPAWVEGTVKDTEGNPIPNARIEVWECEDEDGLYDVQYADERSAGRAHLYSD  
ENGEYHFWGLTPVPYPIPHDGPVGMQLQAVGRSPVRCAHLHFMVTAPEKRTLVTHTIFVEG  
DPQLEIGDSVFGVKDSLKKFVEQPAGTATPDGRDVGDTWARTRFDIVLAPGNV

>RXN00249 TRANSLATE of: rxn00249.seq check: 3465 from: 1 to: 957  
TGVSTSQVVVLLVDARHGVVEQTRRHLSVSALLGVRTVILAVNKIDLVDYSEEVFRNIEK  
EFVGLASALDVTDTHTVVPISALKGDNVAEPSTHMDWYTGPTVLEILENVEVSHGRAHDLG  
FRFPYQYVIREHATDYRGYAGTINAGSVSVGDTVYLPGRRTTQVTHIDSADGSLQATASVG  
EAVVRLAQEIDLIRGELIAGEDRPESVRSFNATVVGLADRTIKPGAARKVRYGTELVRG  
RVAAIERVLDIDGVNDNEAPETYGLNDIAHVRIDVAGELEVEDYAARGAIGSFLIDQSS  
GDTLAAGLVGHRLRNNWSI

>RXN00250 TRANSLATE of: rxn00250.seq check: 5525 from: 1 to: 747  
MVFTLADSVSQUALGPSWLDPMELLSGSGPFGSIFLPAMLAIVFIESGLLFPLPGDSL  
FTGGLLANQADPFAPLWLVILCPAAAILGDQVGYWIGHKFHPRLVNRPDGRIFKQEYLK  
QTEDFFEKHGPVTIILCRFVPIVRTYAPLVAGMAGMRYRTFIIYNMIGGILWGSVVALG  
AALGQFDFVRNNIDLIFLLIVFISVVPGLVGMARKLADGHKQANTEPQENPAVQTAPVKT  
QEAQEAQPN

>RXN00299 TRANSLATE of: rxn00299.seq check: 5963 from: 1 to: 978  
MSIPLSLIDFATIFEGERPGRSFKRSVALAQKAEGLGFKRIWYAEHHNMESISSAAPAVL  
ISHIGANTKTIRLGAGGVMLPNHSPYVIAEQFGTLAELYPDRIDLGLGRAPGDMNTLRA  
LRRDPQSAENFPDVELNSYLTGRSRLPGVNAIPGKGTNVPLYILGSSLFGAQLAAQLG  
MPYSFASHFAPTHLEHAVQTYRDNYQPSEQHPEPYVIAAVNVTASDSTEQAHDDEFYKVAR  
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LMISLQSPNTEATTRNMEILADAWIN

>RXN00343 TRANSLATE of: rxn00343.seq check: 7722 from: 1 to: 1113  
MKHQYDVIVVSGAGGLSAAVSAAYGGKKVAVIEKASVLGGATTWSSGGWAWTPGTSLARK  
DGVVESKEEFQTYLQAVVGEYYQEDNISAFDLAAPEMVDFFEKNTDLQWTPGAKINDIYG  
NLPAGAGTGHRSVGPKPFNGRKVPKSVLPKLRHQLYETSFLGMGIMAGPDLTKFLSASQFD  
PRGWVHAARRVIVHMDMVVHMRNMQMVNGAALTARLATSADKLGVDLLVNHSVSLNYK  
NDRVTGVKVQTPQGLVDFEATAGVVLATGGFPNNVDLRKELFPRTPSGQEHWTLPAAETT  
GDGLSMAREIGAGFVNDLKSPAACWCPVSLVPYFNGKVGTFPHIMDRAKPGSIGVVSTGKR  
FVNEANGYYDY

>RXN00393 TRANSLATE of: rxn00393.seq check: 4530 from: 1 to: 894  
MSHTEPQPNSTLSDWIQGARPRTWANAFAPVIAGSGVAAFHDGFVWWKALLALVVAWAL  
IIGVNYANDYSDGIRGTDEDRTGPLRLTGSLAEPKKVKAFAFISFGIAGVAGTALSLLS  
AWWLILIGILCVLGAWFYTGKKNPYGYRGLGEIAVFIFFGLVAVMGTQFTQTGSSVWAGL  
AAAVGVGSMSAGVNLANNIRDIPDTSKTGKITLAVRLGDAGARKLFLALISTPFIMSICL  
AFVAWPALIAIIVFPLALKAAGPIRNNATGKDLIPVIGSTGRAMALWAVLTGLALAFS

>RXN00397 TRANSLATE of: rxn00397.seq check: 3065 from: 1 to: 801  
LSLTEGEIIPQTKLGHWRDVRDSEDLPFQVIASRTNVTIMENTLEWTNSRLERGEFE  
LDIYAHYLEELEDYALQFTFDVEPYFTNLHSSNRMLFPGPPVDFPINAETRCIQLDAGVA  
VKKDGVVLGTSDMARSLPRTAAGQEAHEYFFKVVRREGIIGQLRPGVICADVHEATLDYLS  
PQLPRMIDIGMLGADTDFTIYRKRNVGHLMGKQESFANELRPGYKHILHHGSYGAAEIP  
WRYNGVAIGTEDLWYIGADKTYILSQR

RXN00398 TRANSLATE of: rxn00398.seq check: 1161 from: 1 to: 750  
 MAKLFDSHFHIIDPQHPLIENNGYLPEPFTVEDYTARVEGLEVAAGAIVSGSFQAFDQGY  
 LKDALAVLGPYGVGTQIPADTSDQEILDLKAGVKAVRLNLKRGGSGAGLDDLETARRV  
 HDLAGWHTELYVDARELDELESTLASLPAVSIHDLGLHRDGLPALLRLVENGIKVKATGF  
 GRVELDPTEVIQAIMAVDPTALMIGTDLPSTRTKRPFEDADLDLIAETVGEDHVDNVFWN  
 NAAAFYLGDO

>RXN00434 TRANSLATE of: rxn00434.seq check: 6086 from: 1 to: 867  
 VLVKVKPAGVNRADLLQTQGNYPVPAGASEILGLECAGVIVNAGDTGQTVGQEVACLLTG  
 GGYAQYVAVPEGQLMPIPEGYSFVEAASIVEVACTVWSNIGMLAGLQKEDTFLIHGGAGG  
 IGTFAIQMGKALGVTVAVTAGSTEKLKTCCKNLGADILINYKEEDFAEVLKKNKADVILDII  
 GAKYLSQNVKAMAKDAHMVVIGMQGGVKGELNLGHLAKRGITISATALRGRDEADKARIV  
 SSTVENIWPLLQSKEITPHIDHTLPLAEAAAALQKIQDGTITGKLVAV

>RXN00470 TRANSLATE of: rxn00470.seq check: 9539 from: 1 to: 1269  
 MGESPEKVAFRVFPDGLVSQGHDMIEDMSNTPAPYTPQAGQAVPLYPTFTRSRDGRVVA  
 GVASGLAKHLNVSVFVWRALLIFAALLSGAGLFAYALIWIIFTRIEKKSGEASTSKRWVS  
 WCLVLLAIGGAAASVMLSTGFAVGTLPVIGVGVGLLMVWLAYDRGVESGPNLLIIATGG  
 VLMLVAIVLIVMNWNTQDGFVMALVAVVLTLVGVAALGVPLWVRMWDQLGEERAEKAAAA  
 ERADIASRLHDSVLQTLALIQKRADDPAEVARLARGQERELRQWLFDSQDKTPQTTGTVF  
 TALERACGEVEDIYALRIVPVTGTDEALTEKTQAAMAVREALVNVAKHAGVETADVYA  
 EIMLGELNIFVRDRGAGFDPDNIPDGHGHLAESVQGRVERAGGKVRKSEIGEGTEVAIT  
 MDV

>RXN00499 TRANSLATE of: rxn00499.seq check: 1415 from: 1 to: 1281  
 VVGVVSTPARNLGSMTKTLGSLQLEEITLTLPLTEDVADERTIDVFARIATRVGGEDLPY  
 LVFLQGGPGNEAPRPSLNPLNPNWLGVALEEYRVVMLDQRGTGRSTPVGNDILEKPTAEV  
 VEYLSHLRADGIVRDAEALRKHLGVNQWNLGQSFGGFTTLHYLSRHADSLDNVFITGGL  
 SAIDRPAEDVYANCYNRMRRNSEEFYRRFPQLRETFRGLVNRARAGEIVLPTGEVVSETR  
 LRSGLHLLGSNDGWFDLYNLLELDPTSNAFVHDLAGLLPFGNRPNIYYVLHESYADGVV  
 TNWAAERVLPEDFREDPTLLTGEHVFEWTDTPVSLKPKWDVALALAAQGEWPKLYDAKAL  
 ENSQAKGAAAVYANDVFVPVDYSLETAQHLPGVQLFITSQHEHNGLRASSGAVLKHLFDL  
 AHGREVR

>RXN00513 TRANSLATE of: rxn00513.seq check: 4398 from: 1 to: 921  
 MAGLFSSAVAPTERRKALRAALAAPEIARMPGAFSPLAARAIQEAGFEGVYVSGAVVAAD  
 LALPDIGLTTLTEVAHRSRQIARVTDLPVLVDADTGFGEPMSAARTVSELEDAGVAGCHL  
 EDQVNPKRCGHLDGKEVVGTDIMVRRIAAAVNERRDEQFVICARTDAAGVEGIDSAIERA  
 KAYADAGADMI FTEALYSPADFEKFRAAVDI PLLANMTEFGKTELLPAQLLEDIGYNAVI  
 YPVTLLRIAMGQVEQALGDIANTGIQTDWVDRMQHRSRLYELLRYNEYNAFDQQVFTYSA  
 DSYKPIF

>RXN00531 TRANSLATE of: rxn00531.seq check: 3085 from: 1 to: 495  
 MANYTVPGINENDAKQLIDGLQERLTDYNDLHLILKHVHWNVTGPNFIHAVHEMLDPQVDL  
 VRGYADEVAERIFTLGGAPVGTPEGHVADRTPLQYERNAGNVQAHLTDLNRVYTQVLTGV  
 RESMASAGPVPDPTEDIYISQAAELEKFQWFIRAHIVDVGNIQE

>RXN00549 TRANSLATE of: rxn00549.seq check: 5535 from: 1 to: 1674  
 MVFMGAYIMVDVPEPEELVSPQVSQIYASDGETELARIVPEGNRQMVTIDQVPDTPVNA  
 VVAAEDREFYTNPGFSITGYARAALGVITGDSSAGGGSTITQQYVKKAVVGDERSLIRKA  
 KELVYSAKMANEWSKDEVLEAYLNTVYFGRNAYGVQAAHAFFDKPVEELTAAEGAVLAA  
 SIQLPSQLDPWTNPVEAETRWNYVMDGLVEIGAISAEERAVATYPETTDPASNSAYTEAT  
 GTNGLIKNQVMAELSELGITEDDVQTCGLQVTTTIDPKTQEGAVEAVQNQLDLLSENRA  
 AVVSIDPSNGAVRAYYGGENATGWDFANAPLOTGSTFKIFGLAAALQQGIPLSQPYSSAP  
 VTVGDAQIGNVGSGCGSCSIEQALLHSYNTSFIRLQQDLENGSQDTADMAHALGIAKSL  
 PTIPETLTENGETPYEGILGQYESRPLDMASAMATIANEGVWHRPHFVSKVETVSGEVL  
 YEFEDGDGERRVSEKVALNLLKAMGPAAAYSNGNALADGQVSASKTGTTLGDTGANKDA  
 WMLGAAPQLATAVWVGTA

>RXN00550 TRANSLATE of: rxn00550.seq check: 1281 from: 1 to: 321  
 MYGSNSPATIWKQTMDNALENSPLETWDIAPALGYGNPPVPEYVWTPSPNIATNDPEGAT  
 EEAPVEDPNAVIDTPAVDPTAPAEETGNGQVEILPGLTIPGDLLGIG

>RXN00621 TRANSLATE of: rxn00621.seq check: 1431 from: 1 to: 783  
 MSERLNAPQAPIHPITRTHHGIDFVDNYEWLRDKESQETLDYLEAENAFKQETEQLATL  
 RDNIYEEIKSRVKETDMSIPVRAGKHWYYSRTEEGKSYGYSCRIPVTEGSDAWTPPVIPE  
 GEPAQGETIIMDANELAEGHEFFSMGASSVTTSGRYLAYSTDVTEGERFTLRKIDLETGE  
 LLPDTLTGIFYGATWVGEEYLFYQVRDDAWRPDTVWRHKVGTPVEEDVLVYHEPDERYST  
 WVGTTTRSEKVVHFWLRLQDHL

>RXN00622 TRANSLATE of: rxn00622.seq check: 2214 from: 1 to: 1416  
 MNVIPPGWAPLVQKKFILFGCASKITSEVRVLPFDQPEGTPEVLIIPRAEGVEYDVDHAVV  
 DGSDIWLVTNHAEGPNFSGWAGVDKLNSLDALAPLVAHKDDVRIEGVDTYRDFIILGYR  
 SGAIGQVAIMKLIDGTFGDFQQLFDEEIIYTVASGGNPEWDAPVIRLSYGSFTTPAQLFN  
 YWIESGERTLLKQOEVLGGYKPSDYVASRLWVTAKDGAQIPVSLVHRTDLDDVSKPNPTLL  
 YGYGSYESSIDPGFSIARLSLMDRGMIFAIAHVRGGGEMGRGWYDNGKTTTCKNTFTDFI  
 DVADALIEQKISAPEMLVAEGGSAGGMLMGAIANMAGDRFKAIEANVPFVDPLTSMMLPE  
 LPLTVIEWDEWGDPLHDKDVYEYMASYAPYENIEAKNYPNLAVTSLNDTRVLYVEPAKW  
 VAQLRATATGGEFLLKTEMVAGHGGVSGRYEKWRETAFEYGWLINQATGVTE

>RXN00639 TRANSLATE of: rxn00639.seq check: 1844 from: 1 to: 855  
 MTSAEQIVDPTAHDGSKATDKFKANRVSSDTSKERANAIYVDLLAAIAQVAHKHEVITYE  
 EYAVLKQWMIIDVGEYGEWPLWLDVFVEHEIEEINYNRHDYTGTKGSIEGPYYVENSPLP  
 WDAEMPMRDKDRACPLIFEGQVTDLDGNGLDGAEVELWHADEDGYYSQFAPGPIPEWNL  
 GTIVTDEEGRYKIKTLQAPYQIPHDPGTGWFIESYGGHPWRPAHLHLRVSHPGYRTITT  
 QLYFEGGEWVENDVATAVKPELVLPETGEDGNHVHYPFVLDKED

>RXN00641 TRANSLATE of: rxn00641.seq check: 1023 from: 1 to: 1491  
 MSTPVSNLASVQKTLDHAEEDRPEEGIVRVNRNIFTDPEIFELEMRHIFEGIWMDMAHES  
 QIPNGGDYFTTYIGCQRIMITRSKEGTLNGLINACSHRGAMLCRGKSDNRTSLTCPFHWG  
 PFCNGGALLKVKEGAYPENFRTDGSHDVRRVPKLESYRGFLFGSLNDDVVSLEEHG  
 DTRTVIDMLVDQSPGLEVLGRSSTYTYDGNWKLQTENGADGYHVSSTHWNYAATTSSRG  
 TGESANETKAMDAGTWGKQGGGYFSYPYGHMLLWMMWGNPEDRPLFERRDEFKKEFGEEK  
 GEFMVGASRNLCLYPNVYLMQFSSQIRHIRPISVDQTEVTIYCIAPKGESAEARANRIR  
 QYEDFFNATGMATPDDLEEFRSCQKTYQASAFPWNMTGRGLGHQVQGPNEVAKGLGMNEV  
 LSSGARTEDGLYPIQHGFWEHLMQEAENVKQSIKEKELADDTASSLATVAAAKIREEAKA  
 AAKSDAGEPRRRRRTRG

>RXN00658 TRANSLATE of: rxn00658.seq check: 6023 from: 1 to: 693  
 VRHDEHYPAANLIAFDKGWSTLIAPQLEDPEAEFEFTAGFLTEYQDNLITAGMEHQALAS  
 GFPVGRRFKSDIALRRCDVTTTHIGHEHSADGHWRIYVFAGQATPQDSESALNKWAQWME  
 ESEDSPLNRFTEAGDRNAVFDIKATYQQHYHSFDLFDAPVFFPRVGPYKLQNLNVWT  
 ALDSQDIFESRGISRDGAIVVVRPDQYVAAVLPLEDTAALAEFFNGNLLP

>RXN00663 TRANSLATE of: rxn00663.seq check: 3662 from: 1 to: 1374  
 VTTTYPDFLGNSSLQTDTEHWEMEGGAQEVSVTYVLDTSVLLSDPLSLTRFAEHDVVLPI  
 VVITELEAKRHHPLDGFARQALRMLDELREIHGDLKPLPIGDEGGHIHVELNHQNTGS  
 LPVGFRGLGDNDRILAVAKNLQEEGHNVVLVSKDLPRIKASASGIAAQEYRAALARDRG  
 YTGMTANITDDQLSELYDTGEVRIEELKLPVNHGFTLKSNSGSALGRMNSDKIIELVP  
 GDQQVFGISGRSAEQRVAILDLDNDDAVGIVSIGGPAGTGKSALALCAGLEAVMERRIQRK  
 IIVFRPLFAVGGQELGYLPGDQEEKMGPWAQAVFDLSSMVSONIIDEALSRLIEVLPL  
 THIRGRSLHDAFVIVDEAQSLEARNVLLTMSRIGQNSRVVLTHDVAQRDNLRVGRYDGIV  
 SVVEALKDHLELFGHITLQRSERSRIAEELVTQVLDAPSL

>RXN00665 TRANSLATE of: rxn00665.seq check: 1137 from: 1 to: 501  
 MSSSTLLLASGQVTALAADYTLSTPSDGLVVLGFAMILTFMTLIMLGRLLTPMVAMLLV  
 PTIFGLIAGAGLGLGDMALDAIKDMAPTAALLMFAIMFFGIMIDVGLFDPLIRVITRVLH  
 DDPKVVIGTAVLAGVVS LDGSGSTTFIITTRDAAHLPAPWHEPCG

>RXN00675 TRANSLATE of: rxn00675.seq check: 9322 from: 1 to: 792  
 MGFRSKKKVIAAKTAAELDAMQAAGEIVGKALQAVRAEAKAGMSTWDLQIAEQVIRDA  
 AVPTFLGYQGFPASVCASVNEVIVHGIPSKETILEEGDLVSDCGATFDGWVGDSAWSFG  
 IGELDEDVQGLNLATEWVLMEGMKAMVPGNRLTDVSHALEVATRKAEKFGVALGIVDGY  
 GGHGIGRHMHEEPYLANEGKAGKGPVIEGGSVLAIEPMLTLGTEDSAVLEDDWTVVTLDG  
 SWASHWEHTVAATKGGPRILTPRY

>RXN00689 TRANSLATE of: rxn00689.seq check: 7633 from: 1 to: 1491  
 MNAATRRASLQLPYTHVDDFYINGSWVKAEGTQRNPVVDPAVGQEWGSVPEATASELDSA  
 VGAARTALKSWSALTGAERTGYLLKIATEIESRSEALALNTRENGSPISETRGAASNA  
 GIFRYFATLAPWLDGEDIRPFPAGSAESIVDKDPIGVCALIAPWNFPINLVVIKLAPALL  
 AGCTVIIKPASPTPLSIRFIIIEAIEAAGVPAGVVNLLTSGSRFGDALVRHGPVDKVAFTG  
 STPVGKKIAAACGELLRPVTELEGGKSSAILPDADMSVLSTRLIRSCMRNTGQTCYIST  
 RIIAPSSRYAEVVQTVASTIAAGRQGDPTDEETVFGPVASASQYSTVMSYIDSAREEGAR  
 VVAGGTRRSISLSEGLSEFEIQPTVFADVTPDMRISREEIFGPVISILKYDDTNGVSEAI  
 ALANNTKFGGLGVFGADEEQALEVARQVDSGSGVINFFGSNHSAPFGGRHESGMGVEYG  
 IEGLSAYLTYKSIHRTI

>RXN00778 TRANSLATE of: rxn00778.seq check: 6349 from: 1 to: 1125  
 VNLTLKRSIALVGAVTAGSFALVACSDSNESDSTSSSAASTGSSDAASIEGLSGVTGQLV  
 AEGASSQQSAMDYFGIRYSEAVSGASLAYTPSGSGSGRTNFAAGQVAFGGSDSAMKDDQA  
 AEAEARCNNGNEAWHLFPFVIGPVAVAYNLPGVDTLNLDTNIIAQIFKGEITKWNDEAIASQ  
 NEGTDLPDQDISVLRYSEESGTSDFQKFLGASTDIWETEGQQFPTEVGSQAQGSNGVAS  
 EASNIEGAITYVEAGFANQSGLVANIDFGSGPVELNAESVGVALGALDFLTEGHNMVVD  
 TDAMFAMNEAGAYPLILTTYEIVCSAGYDETRDQVKDFLTVALDSQDDQLEALGYIPVT  
 GEHYDRLVAAVEAIQ

>RXN00787 TRANSLATE of: rxn00787.seq check: 6866 from: 1 to: 1902  
 VSQPLSKRLSIRKALASAFIVALAFSLSPVAKAQANETPTMIVLDNSGSMATAQDAGGQTR  
 IDAAKQASTQLINDISDRDVLGLTYGGNTGETEADVEMGCQDVTILGGPSRGNADTLID  
 TINSLQPRGFTPIGKALTDAAELPEGGNIVLVSDGIANCTPPDVCEVAQELAQSGLNLV  
 INTIGLVNDPAAREELECIAGVGGGTADASDAQSLTDALTRAASRQYNSYTS DVTKIDG  
 ASEQSAAVEIDEDTELFLTDLPQESRFWKIPVEPGETISVSANTVTDPTVLTMGQGGIKL  
 EAQLHTEEPQYGLRGRCTRVSFDNFKPGLGVRGIQNASVASKEVGTNNCDTDAIYLEIS  
 RSGDYLNQDIPTEITIERFGKVDESTIGNVTEEHSSVDLTEAAASEAHPVTPGQWFTSA  
 ADLDPAGEKVSSIIVPGETHFYALPVDYQQLRAAVETTFDQIDSSALGTHLYIQAFSPN  
 RAEIELTNRDTSYADDNGLKTFGFFTPVSAANLFEKSSQGISLRSPWQGGTQYLAVTYLP  
 SGQDEDVSATDQLPTLEYELVAEAFGDPVDPVFASLTGATPSTSTPPSDVAEDEQISEA  
 TEEDSSSFPIVWIGLVIGLIIIGLIFALRRKN

>RXN00818 TRANSLATE of: rxn00818.seq check: 6962 from: 1 to: 840  
 VKHPDPAQKVEGTTATTPTKVAFFDLDKTIIAMSSTYAYGREFMNSGLISPVEALQLSL  
 AQATYMFAGHTSEQMDNTRDQLTAMIRGWEVQQVRSIAEETMHSVVTPTIYAEARELIEH  
 HQELGHDVIIISASVKELVEPIARELGVHKTVTTVLEAHDGMYTGEVLFYCKGDAKAQSI  
 LDLAENNYDLSLSFAYSDFSFTDLPMLAEAVGNPAAVNPDRALKKIALEQGWKILSFKNPE  
 PLFQMPSTRDVGIGTGVVAGIAAVTAGSIWWMKRARRGSA

>RXN00820 TRANSLATE of: rxn00820.seq check: 6937 from: 1 to: 363  
 VNTLADATDDQQWIHTDPERAKDGPFGGAIAHGFLTLSMIIPFWGELLDVTGVTTKVNYG

LDKVRFTSPVKVGSRI RMGAVVREISEVKGNGLHLVADGTIEIEGQERP AVVATFLTRFY  
A

>RXN00866 TRANSLATE of: rxn00866.seq check: 4209 from: 1 to: 966  
MND SRNRGRK VTRKAGPPEAGQENHLDTPVFQAPDASSNQSAVKAETAGNDNRDAAQGAQ  
GSQDSQGSQNAQGSQNRRESGNNNRNRSNNNRGGRGRRGSGNANEGANNNSGNQNRQGGN  
RGNRGGGRRNVVKS MQGADLTQRLPEPPKAPANGLRIYALGGISEIGRNM TVFEYNNRLL  
IVDCGVLPSSGEPGVDLILPDFGPIEDHLHRVDALVVTHGHEDHIGAI PWLLKLRNDIP  
ILASRFTLALIAAKCKEHRQRPKLIEVNEQSNEDRGPFNIRFWAVNHSIPDCLGLAIKTP  
AGLVIHTGDIKLDQTPPDGRPT

>RXN00877 TRANSLATE of: rxn00877.seq check: 565 from: 1 to: 1665  
MTVEHLLKPSTLPYQLPDFAAIKVADFPFAPFELALAEHDAEITAIATNEDAPT WENTIEA  
LERAGLSLNRVA AVFFNLQGT DSSPEMDEIAATIAPKLSAHS DAIFHNAALFARIEAVEA  
PADEESQRLLSHTKRAFRRRGAA LNADGKARLSTINQRLSALSEQFGRNLLQDTRDLAVN  
FEESELAGFSEARISAAADYAAAVGTEGYVVPLELPTVQSEQAVLTESASRAKLYEASQK  
RGASLNKDVLLLETVRLRAERATLLGYDTHADYVIEEETADDVA AVRALLYDLAPAASANA  
KAEYKLSAEAEAEH GQKVGAADWSFWEAKVRARDYALDETEL RNYFPLNQVLRDGVFFAA  
NRLYGITVEPRPDLRGYAEGVDVWEVLDSGSGIGLILTDY YGRPSKRGGAWMSSSFVDQS  
ELLGTPV VNVMGITKPTTGEALLSDEVTTIFHEFGHGLHGLLSKVRYP SFSGTSVPR  
DYVEFPSQINENWAFDPAVVRNYARHVD TGDIIPDSLLEAVEACGISDRVVEHVSTCPHL  
LSTCPVSPCPQRM PH

>RXN00905 TRANSLATE of: rxn00905.seq check: 8965 from: 1 to: 801  
MTQFENAQVLKENIENQREQIFTQLKEIVSFNSVHSDPNLLEDYAGAK EWVKETLTNAGL  
TVSEFAAEDGTTNFITRKGSE GAPKVLLYSHFDVVP SGPLDLWDTNPFELTERDAGHGT  
RWYGRGAADCKGNLVMHLAALRAVEASGDTTLNLTYVVEGSEEMGGGALSALIKDKPELF  
DADVILIADSGNASVGTPTLTTLTTLRGGGQVTVTVD TLEGAVHSGQNGGAAPDAVAALVRV  
LDTLRDEHGRTVIDGCQHHRKLEGRAL

>RXN00948 TRANSLATE of: rxn00948.seq check: 5347 from: 1 to: 1119  
MANVVLVDRMEPLVSKLFTPIQIRDITIPNRVWMSPMCTYSAATGSGLP TDFHQAHYAAR  
AAGGVGLVMVEATGVNPVAPISPVDLGLWSDQIEPFSRVTA AIRAGGAVPAVQLAHAGR  
KASTDAPWNGGGYVGPETNGWETVGPSPLAFPGLPAPRELTVSEIQEVVQQFAGAAVRAD  
QAGFDVVEIHA AHGYLLHNFLSPISNKR TDSYGGSL ENRARIVLEVIDAIRAVWP EEKPV  
FMRISTTDWVEENPQDDRESWTL SQSRQLALWASEHGVDLIDASSGGLDIVPIPHDRDYQ  
TAKAADLHASTGVTVA AVGRIDDAQT AHNLVDSGDVNAVFLGRPLLKDPSWANQAALALG  
AEPRYVHQYDYVL

>RXN00982 TRANSLATE of: rxn00982.seq check: 8201 from: 1 to: 1506  
MPTAAAQENIRWEECP PQVDIASAQCGSIDVPMHYSDPSLGDISVG FVKVPAQGEKHGTI  
FGNSGGPGGDAYSFFGSQSMNWPEAMYQNYDLVAVQPRGMVGSTPVNCDNIAPGYDFLSL  
LTREGAFVKESCEIGTPGYTSSLTTDNTANDWERVRQALGDDKISIFGLSYGTYLGSVYA  
TRYPQHTDKVVLDSAMAPSLAWNGIMASQEQQYKNSLNDFFT WVAENNDTYGLGTTPLAV  
YQNWSNKIVAETGTNPTVAPPPAQVGDVPPAF AWAGQAGADM MTATNPTSVQLQGLATQL  
LNPGSNQSLSPLLNVTRAYIPQPSTWMLAG AISGQTPIPDVTD TGDDPYVIESINASVN  
MQRMVMCNENTVAPDPVAMARMAWTSMTGDFDIYSVKFSSGQACSGITPTSGRQPTDG  
SQLAVQPLLLQGTSDPQTPYWTHNELADAMNAHVTVNGPGHGQSIGGTNQAINDIVVDY  
LRTGHTDATWVEGNTPTPITAG

>RXN00983 TRANSLATE of: rxn00983.seq check: 4228 from: 1 to: 1476  
VTAGETTTMNVTLTNPF DN AIFDRAVSLERPEGWQAEDVRVSIPSGESVTIPVQVTAPLV  
ADNGELPVEVSILDGADRYTGRNLTVQGGQEPAPTSVKVSIPNLKDTYVAGEKISINFA  
VNNPFDVTNSVPSLGEGENWMPANLRGFDPEQGT PNCRYKNLGANKSYDCTTTT YEVS  
LDVERGYVDIPTVWTF TNSAGETVWSKNVDVPRVELNGTQDAVTD AIVTVDPINPVHSNG

QSQTVEVQANVTSEGLDLPAGSKVAFYLDSSPIDTAAVDAEGHASISIDVDNIASEQPERT  
FEVRARLVVPEDAPRSIARDALARFTVLSEQVQNSLVIMNHPDVFSQGTQKTIVIAAKA  
TAHDGSPVAIGTLIAFRVNGIERDVVPTNAQGTAKLQDLKPVNTEDEEYEVTVAEALDE  
LTAQTTFKVLAGEEEEEPTSTEEQPSETEQPSEPEEEESTGVAGSSNGGSFVALLALLAALG  
GIVGAVLGLLKL

>RXN01014 TRANSLATE of: rxn01014.seq check: 9151 from: 1 to: 2601  
LTSTNLTRQEASDRSRLSVENYDIALDLNNGDEFFSSSTVVSFTVRKAGDTFIDLRAS  
VEEVRLDNVSIKDEALTLGKNGYDETFGIALKGLTPGAHTLRVTASIPYSRTGEGLRHMV  
DPADNEVYLYTQFETADAKRMFACFDQPDLKATYDLNIKTPKGWKIISNSEQQVSTQHTD  
YDTHISRVDYPLSTYLIACVAGRYHEVCDVWKGTLTHHAETPADQPTLTVPLALYCRSS  
LAKDLDAVRLFTETKQGFWDYHRNFGVAYPFGKYDQIFVPEFNAGAMENAGAVTIRDEYV  
FASKATRYRYERRAETILHELAMWFGVLVTMQWDDLLWLNESFATWSAAISQAEETEYN  
TAVVTFANVEKSWAYQQDQLPSTHPVFSQGYDIETVDQNFQDITYAKGASVLKQLQAYVG  
REEFLAGVRRHFANHAWGNASFDLLGALEQSSGRDLSWANQWLKTTGINTLGAKFTTD  
NGKYTSFSVTQTGAAPGAGELRTHRIAVGLYKLVGSLNRYARVELDCSGASTSVEEIVG  
LEQADFLVLVNDLTYALLDLDLDDSRNFVIDNIDKFSDPMPRTLVSAAWEMTRAGQMK  
RDFIALVARGAAETEIAVLERILAQATSALKSYADPAWAEATGNDDLADAFLEGARSAE  
PDSDTQLAFIQALAKATLNDAAADYFRDILAGNVEGLTVDPDLRWALTALIARGDIEAV  
EDAIAAELSRDNSSASFLASLRAGAANTVEEVKAAAYKHVTAVDGSLNLELRHKIEGLT  
FTGSSELLQAYNEQYFEILDDVWANFSGEMAQQIVLGLFPSWNVSEGLKRTDEFDGEH  
VAGIKRIVSESLDRTARALRNRAADAA

>RXN01046 TRANSLATE of: rxn01046.seq check: 5893 from: 1 to: 1779  
MIPFPGQPQQSAPNDETRFIDLNERHKDDPEALFRDDVIDQTLAILISKKNPNALLVGP  
AGTGKSRIAEDIARRLANDDVSIPDQLVGHRIIDVSI AELVAGAGVVGQLKKRILDLIKY  
ATDPSNKVIFIDEIHQIAGDQSSHSGSQAKVAQILKPYLARGDLRVIGATTTQEARDFD  
HDPALKRRFSRVNVDEFDRDQTLTILHAARDGYLKHFNNAVTVSDDVLGYVYTYSQQFNP  
GNTAQPDAAALTFLDKALASLTMEKQRLINNHVIAPSLKFPVSRHINTARKLAFGSQVP  
ASINTDDARDKLETFLGQDHIIEPVLTAKREQLGIFPRTKPLSWVFAGSSGVGKTEMAR  
ILSRAINGGDPPIIINGPEYISPESITGLIGSSDGYIGSNSKRAKPLDPLISNPRQVIVLD  
EFEKSHPHFQQLFMAALDTGTMMANGTTLNFSQAI I IATTNAARDKIGRDSFGFDSDNS  
GVLGSAQAATDPRAQERLKSLSKDFLLNCSTVSRI SLPSTALMQAPTVRFWTISTSVAV  
TPCCLATPHYAAQIPADIDSOTLDQLVETTFISDFGARPAARTIEDHIASLLM

>RXN01120 TRANSLATE of: rxn01120.seq check: 6283 from: 1 to: 1278  
MARMQESADLLKCSFCGKSQKQVKLIAGGAVYICDECIELCNEIIEEELGQAQHDEQER  
NELPKPSEISAFLDYVIGQDPAKRILSVAVYNHYKRLRASETIGRRRNDEPETELVKS  
ILMLGPTGSGKTFLAQTAKLLDVPFAIADATSLTEAGYVGEDVENILLKLLQAADFVDE  
RAQRGIIYIDEVDKISRKSENPSITRDVSGEGVQALLKILEGTVAAI PPQGRKHPNQD  
FIQLDTTNIFIVAGAFSGLEKVIADRNGKKGLGFGVEVSSKKEEANIVDIFKDVLPEDL  
VKFGLIPEFIGRLPVVATVSNLDQKSLVKVLTEPRNSLVKQYRRLFEMDDAVLTFTDDAL  
EEIANQALERKTGARGLRAIMEEILVPIMYDLPDRKDVGEVIINGAVARGEAEPEMLEAV  
AEEKTA

>RXN01145 TRANSLATE of: rxn01145.seq check: 748 from: 1 to: 1014  
MAIELLYDADADLSLIQGRKVAIVGYGSQGHASQNLRD SGVEVVIGLREGSKSAEKAKE  
AGFEVKTAEAAAADWIMLLAPDTSQAEIFTNDIEPNLNAGDALLFGHGLNIHFDLIK  
ADDIIVGMVAPKGPGLVRRQFVDGKGVPCLIADVQDPTGTAQALTSYAAAIGGARAGV  
IPTTFEAEVTDLFGEQAVLCGGTEELVKVGFEVLTEAGYEP EMAYFEVLHELKLIVDLM  
FEGGISNMNYSVSDTAEEFGGYLSGPRVIDADTKSRMKDILT DIQDGTFTKRLIANVENG  
TELEGLRASYNHPIEETGAKLRDLMSWVKVDARAETA

>RXN01152 TRANSLATE of: rxn01152.seq check: 1196 from: 1 to: 834  
MPYSGFPQAGDRVQLTDAKRRHFTIILEPGTTYHTRGQIAHDDIIGADEGTVVHSTMG  
DYLCFRHLMDVHLSMPRGAAVIYPKDSAQILVEGDIFPGARVLEAGAGSGALSMALLRA

VGEKGNVISYEIREDHLEYAVSNVEEYFGERPATWDPRLGDLKEVTVEDLGGPVDRIILD  
MLEPWEMLETCCKDLIPGGVFMITYVATVPQLMKVMEGIREQKCFTEPRAWESLVRDWKVE  
GLATRPEHRMNAHTAFLVLTRRLADGVEPPRPQRKARR

>RXN01166 TRANSLATE of: rxn01166.seq check: 5407 from: 1 to: 1305  
MGYTNLNDTRVLVLAGSCDAWRTMSPLVQQGSEAVFRRIMGLSRRPDRKPGFDDVPFHGA  
AVRVPGLKHGTLVNAAPLKVLGARGEPNPASSYRFEYITGDSAGRAITATGAVLFFSTRPW  
TTGPRPAIAMAPSTQGVQHCPSHTCAIGLNAFYDKPFDALIAELPVILWFLAHGLDV  
VFIDYPRDPATGVQYYCDSIAAAKSLDLAVLASRQLGLSPEAPLGLWGFSQGGGATGWAA  
QLQDYAPDVRPKAAVVGAPPVDLFRVLDTVDGGLLTGVIAIAGLAVNSSEMFEIIMSV  
LNERGVSDVLKNITSCAGGSLASGYSSSRGWTHQGTPLADILDDLPLVVAEFGKQLGR  
VAPEIPVLLWGSKNDDVIPIDPIRELRDSWADKGTPLTWHSQAPRVPGRTGLNHFGPYF  
RNLEKYSGLIDHLV

>RXN01181 TRANSLATE of: rxn01181.seq check: 3409 from: 1 to: 957  
SVLLARDLVNTPSSHLYPESYSVIASNEASKHGLQTTILDEKQLADQGGGILAVNGSS  
RKPRLLRIDWKPRKAKKSIALVGKGITFDTGGISIKPGASMENMISDMGGSASVLATIIA  
AARLNLSINVFAFLPMAENMPSGDAFRPGDVITHFGGITSEILNTDAEGRILADAIAYA  
SEDKPDYLIDAATLTGAQLVALGLRTSGVMGTDFRDSVAKTGREVGEQAWAMPLPEELD  
EQVKSPVADLRNVTNSRFAGMSAAGRYLQEFVGADIEWAHVADIAGPAYNTAGEFGYTPKR  
ATGQPVRTFVQVLKDLSES

>RXN01226 TRANSLATE of: rxn01226.seq check: 8697 from: 1 to: 540  
MGDVNNSPLLVLVGLGNPGPKYVGTNRHIGFEVAEELVSRSGFSVHKRSNTDIAQLPGL  
IVAKPRSFMNLSGTPIRALCDFFKISPANVIVVHDELELDFGVSVKLRQGGGDHGHNLKS  
TSKSLGTDYWKLSMGIGRPPGRMDPASFVLKPFQELADIPMAADAADLVEKHLQQG

>RXN01267 TRANSLATE of: rxn01267.seq check: 8891 from: 1 to: 1314  
MYAEINGGFIPEGTVRVSGAKNSATRLLAAALLTDEVVHLGNFPTKLVDVEHKIRFIEEL  
GGKVHVDHDEQILVVDADKDLAAREMTTDELNIPIRTTYLLAAQIGRGEIARVPFPGGCA  
IGGGPAGGRGYDLHLMVWEQLGCKILEKDDHIEVTAPQGGFIGGVIDFPFISTVGGTENALL  
CASIASGDTKIANAYITPEITDLIELLRMGAEITVYGTSTRIVHKGRAGLLQAYMDVMP  
DRIEALTWIVYGIISGGIRITVEGVFSSMEVFFIHLEKAGVDLFRNSSSVYITPECLPSG  
SVQPFELACGTHPGVISDMQALFVLLGLKGAGTSRVYDYPRIAFVEELTNLVSGDKL  
SAEAGKITIQQDATFRPGYANSTDLRGSMVLAALCADGKSTINNVHMLRGYNELDKK  
LRLLGADLTIREGEVPSP

>RXN01277 TRANSLATE of: rxn01277.seq check: 992 from: 1 to: 2004  
MTDYTFLEDIDTPEALAWAEKWSGESVEKLKSPAKDALEARLLAALDTRDIAYVSRGE  
KLYNFWRDAQHPRGVWRTTTLESYESDQPEWDVLIDVDALAEDEGENWVWKGAVVRSPF  
DRALVKFSRGADATVIREFDLATAAFVDDSPFELKEAKSDVTWVDLDTLLVGTDTGEGS  
LTDSGYPARVLTWKRGTPEQAELFFEGSRQDVATHAWRDSTPGFERTFVSRSLDFYNSE  
TSLETEGGLVKLDVPTDCDVIVKKQWIFVSPRTDFAGIPAGGLGVLLLKEFLEGGGRDFQP  
VFTPTTESTSLQGLATTKNFLVLTLLNNVSTEIVTVPLNDPTTEHEHIDLPEHVTAAHVAT  
SPLDGDEIWWQAASFTEAPTLLRAELPGAELAVKKAPLQFENAGQETRQHWATSADGTKI  
PYFITGAFEEEPQNTLVHAYGGFEVSLTPSHSPTRGIAWLEKGYFFVEANLRGGGEGFGPE  
WHSQATKLNRMKVWEDHRAVLADLVERGYATPEQIAIRGGSNGGLTSGALTQYPEAFGA  
AVVQVPLADMLRYHTWSAGASWMAEYGNPDDPEERAVIEQYSPVQAVVGVEKRIYPPALV  
TTSTRDDRVRHFAHARLFAQALLDAGQAVDYENTEGGHAGAADNKQTAFVESLIYTWIEK  
TLDQQGSI

>RXN01302 TRANSLATE of: rxn01302.seq check: 612 from: 1 to: 453  
MTTTTSSGKSSEKINPLFKLGSFLRKGTVGSEGQIIFLQGGQADVFYRNRWAFDKVRS  
THGVNCTGSCSWKVYVKDGVITWESQAVDYPTTGADMPDNEPRGCPRGASFWSYTYSPTR

IRYPYIGGVLVDMSAKPRNAWAIRCWRGATL

>RXN01308 TRANSLATE of: rxn01308.seq check: 3036 from: 1 to: 2403  
 VLAWRDIVETPEKRKAYVSQRGKGLIRVQYEEAMEIAAAAHVYTIRQYGPDRIHGFTVI  
 PAMSQVSYGATRFLQMIGGVALSFYDWYADLPPASPQTFGDQTDVPESGDWYNSSYLM  
 WGSNIPVTRTPDSHFMEARYKGTKVVVSPDFADSTKFADEWARIHPGTDGALAFAMGH  
 VILKEFHVDKKTPEFMDYMRKYTDSFPLVELDEHGDGTYTPGKFLTADRAADISPALAAT  
 PNATHRLLVLQKDGSSVDPGGTVADRWGEEGMGKWNRLRLDGVDPVMTIADVQTDTETAEV  
 LFPRFDLPATATQEGPIGAGTISRGPVTITLNGRKYTTVFDVLLAHYGVNREELNLPGEW  
 PKDFQDPVMGTPAWQEELTGVPANQAIRLGREFAQNADDSKGRSQIIMGAGVNHYFHADS  
 IYRTFLALTSMCGTQGVNGGWAHYVGQEKLRPMNGWAQYAFATDWQRPPRQMITTGFFY  
 LTDDQWRYDNTRANRLASPLANRGTVGDKMTADTLVESMKRGWMPSPQFNRNPLILSQE  
 AEEKGVSVSDHIVQQLTDGDLQFACEDPDAPENWPRILLNWRNLMGSSAKGTEFFLRHM  
 LGVSDASAEENAPEDRPSSIVWRDEAPEGKLDLMLTTDFRNTSTTLVSDIVLPAATWYE  
 KHDLSSTDMHPFIHSFNAAINPPWETRTRDWEVFHDLTKEFSSQAATWLTQTDVITAPIA  
 HDSPDELNMPGGIVPDIDEVGLIPGKTMAKIIPVERDYSKVYEKWTGLGPLTAKAGTGTH  
 GTAFNVTKQTEELALINGTSI

>RXN01309 TRANSLATE of: rxn01309.seq check: 2947 from: 1 to: 801  
 IADHEGTHINWDMVKERSAEVITSPEWTGSKKDGRRYTAFSINIEYDKPWHTLSGRMHYY  
 LDHDFWIDYGEQLPIFRPPLDKIHINGEVGPGQSVTGTGDEPEVTVRYLTTHNKWSIHSQ  
 YYDNLHVLSISRGGQVIWMSNKDAEKLGIADNDWIEAYNRNGVVSARAIVSHRIPEGTVF  
 MNHAQERTAGTPLNEKSGRRGGTHNSLTRIMIKPVHVAGGYGHLTYGFNYIGQPEITAMR  
 SPEFVAAPRRRCSTNEGHSRNDHEL

>RXN01386 TRANSLATE of: rxn01386.seq check: 2161 from: 1 to: 930  
 MWEHGNARALLPLDIRTIDDRPMQASETNLHLPSMRMASVFGTSQFVERSESFISENPTG  
 VVAIFFATEGEAVFFHRGGHVALRPGQAIIVYDADRPFLRGFNNRFRELVLTIKQRYLEI  
 VGSKGPELPAIFEGATGTANEQALARLVQESLHRIESGEPKHIDSSGPLGKPNWSDIHE  
 AHGLIRNVLGDATSSSEGLISAAQRFIDINISESDLQASRIAAAVGISERQLSRIFSDSG  
 QTIGRYVLNTRLDFAKEALSTPERDKVSVSEIGKRFGFASPSHFSRTFRERFEMTPLQWR  
 KESQRQSFQE

>RXN01461 TRANSLATE of: rxn01461.seq check: 3776 from: 1 to: 612  
 MIDTGKNGEFRIEQSNIIDQNEAEFGITPSQTVGPYVHIGLTLEGAEHLVEPGSEGAVSF  
 TVSATDGNQDPIADAMFELWQADPEGIHNSDLDPNRTAPATADGFRGLGRAMANAQGEAT  
 FTTLVPGAFADAPHFVKVGVFARGMLERLYTRAYLPDADLSTDPVLAVVPADRRDLLVAQ  
 KTDGGRFRDITVQAEDETNETPFFGL

>RXN01466 TRANSLATE of: rxn01466.seq check: 3249 from: 1 to: 960  
 MTPNGRRQLLLERGAAFSKNRTPGLKHVDRHTIVDSGLSIHTYMGHAENATATVVFH  
 GFTLAAEVYMQVDYLQTFYPNIXSVLIDARGHGATGQIRPELCTIEGTANDVLAAIHEH  
 APTGPLILVGHSLGGLTALNLVKRADHSLRKRIVGMVLVATSIESLSLQGLPQVLASPLA  
 DNIKNAVEAAPNDAQKFRQYATTFLLAPTALATAVFQRTNDEVIDFHAAMIHETPLDTFVG  
 FFDDLQEHDELDAAPALEGLKGYVLAGELDVTPISQADRICEVWPARGARLQIAEGAGHML  
 PLEAPGILNNAIGNILDGLG

>RXN01499 TRANSLATE of: rxn01499.seq check: 1314 from: 1 to: 3822  
 LWDVLESVASTYPEAAAIDDGQVLTYAELMEEVTALADSIHAQQIRRGDRIGIRMPGSTR  
 DLYIAILATLAAGAAYVPVDADDPEERAEMVFGEANALFDTATGFHMLRPTAGGDTRRP  
 RLDDTAWIIFTSGSTGPKPGVAVSHRSAAAFVDAEAQMFLVDHPSGPLGPEDRVLAGLSV  
 AFDASCEEMWLAWGHGACLPAPRSLVRSGMDLGPWLIRRDISVSVSTVPTLAGLWPAEAL  
 SQVRLILVIGEACSQELVERLSTPDREVWARYTGPTEATVVACGTQLYAGQPVGIGLPLAG  
 WDLVVDVDDAGEVIGVGLVGLARYLDPEKDREKYAPLKSXGWTRAYRSGDHVR  
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LEDAAAGFDHNVATARLTETMPAALVPRIHVMDLPTTSGKVDKKSPLWPLPGTVVEAN  
 DLSATEAWIAQEWVDILGTSVSSKDAFFSLGGTSLAAATLVGRVRAKVPTAAVRDLYDH  
 PRLEKFAERVEAIAADTGISLEAPNQVEERVVKPVSFGTRVMQTLIQIPIMTLQAAQWIA  
 WLLGNINMAALDFDWAHVHVSWWLVIGMILVFATPIGRPLIGGWGARIITRGITPGSYPR  
 GGSTHLRIWSAERLADASGRNISGATWVNYFARSLGVKMGKVDLHSLPPTITGLLTGN  
 NVSIEQEVDLRGYWLGDGILRVGTIEVHDNARIGARSTLLPGTVVGTGAHLLPGSTVTGD  
 KTIKPGSRWAGSPAQKVGRAKHRFPTSHPPRRSRWVPVFGATSIVLSLLPLQALAIGAAI  
 TLWLATISPLPLIWGVLVFATVGALAAFFAYTVTIWVLVRLIQIGIKGGTAPVRSRLGWQ  
 VWAVQRLMDDARTYLFPLYASQLTPLWFRSLGAKIGKDVEISTAVMVPKLADIREGAFLA  
 DDTLIGGYELGNWLLSGETRVGKRSFIGNSGIAGPERKLAKNSLVAVLSSTPKKAKANS  
 NWWGSPPERMRRVTVEVDEGEAKTYS PGFGVKFARGAVETARLLAPITSGVLAALSLLLM  
 QYLLTEFNMWITWLLGGLILMTVGVLAMGITVVMKWVCVGKHKPSEHPLFSRFVWLNELQ  
 DAFVESVAGPWFLVPLNLTGALNAGMSALGAHIGRGAWIESYWL PETDLCYIGKGATVGP  
 GVVVQTHLFQDRVMSLDTVTVDGATLADHSVALPASLIDASATIGPSLVMRGDKVPAH  
 TRWQGNPIEPWSNS

>RXN01555 TRANSLATE of: rxn01555.seq check: 3558 from: 1 to: 960  
 VNKGVLVAGGFSQNPRLMKYMPPTPQFSRTNESATGDTMALAAKVGARLGDDNGENA  
 LWFPSISIGTRADGSTAVYPHIWDRGRGLVIAVNAAGERFVDESVSYHRFVRAMYENKTT  
 PTVSAWLIVDSHTLAKYGLGMITMPHLPKLALQKYIDSGYLHAGSSDELARSIGVDARG  
 LEQTVKRYNTFAKTGIDEDFHKGELLFQGAAGDPDNKPNPNVGPIKKGPFYAIAVVP TPL  
 ATAFGISINPNGQVSEDEGEPIIGLYSAGNDAQSVMASEYPGAGSQVGSGMTFGWIAAQH  
 AVGKAGKSGGAKAGYAASSK

>RXN01608 TRANSLATE of: rxn01608.seq check: 9638 from: 1 to: 1839  
 MALCMTVAFAGGSLTACTPRPDADPIAEFLQAWASQDFDTIADITDQADLATEMLSTS  
 FDGLQADSVELTLDSDVSRDTIATANFSVVKLPDRDREVSYSMSMTLTKMRNEWTVRWEF  
 SLVHPKLGANQHLELRAIEAQANVISSDGAFLAPGSIYRVLVDPSAGDADVVKRVAD  
 YLNEAHATDENVTLDVEDIMSNLGDSTYSLTTVDANLGARMEQDLGIPGLTFNEEASM  
 VATDPGFAPDIVSRVARIVEDELEGSNGWRASIVTSNGAVIDDIAYDAPELAPSVRISLD  
 HNVQRAAEEAVDLRAEMKAMMVMPSTGEILAVAQTDEADKGDVALMGQYPPGSTFKI  
 ITAAAGLAHEGLTPDSIVPCPGTMNIYGRIVTNYSFSLGNTSLDDAFANSCNTTFADIF  
 HHLEPGQLKNVAKQFGLGIDYQIPGLD TMTGSVPEGDIVLDRTESGYGQGLDLASPFMA  
 LVASTAATGSVPTPTLISGHETVASEEVLALDPEVLANVQRMMSVNDGTARGMRQTGG  
 QIYAKTGEAEINEGSHAWFTGYREDDIAFATLVVLGGGSEAAAVTDQFFVKLDEL RAGG  
 EVAVSEAEQPVG

>RXN01619 TRANSLATE of: rxn01619.seq check: 4967 from: 1 to: 975  
 MRAITHNTFGDPADVLQITEKEIPTPGPGQVRIQVTLATIHNHDLWTVKGSYGFPDLPA  
 AAGTEAVGIVDALGEGVEGLQVGQRVASGTSFGIWA EYALVDASGLIPVPEQLSDESAAQ  
 LVAMPFSAISLLDFLDMKPGEWLIQNSANGAVGRMLAQLAESRGIHVVLVRRDAGVQEL  
 AAQNISGVVSTETPGWEKQVEDITGGASIAVALDSVGGSSAADLVKLLGEGGTLVSGAM  
 GNPIMEIPSGPVIFKHITVKGFWGSKVSREMPAEKKTQLFGELIARILDGTLTLPVDSTF  
 DAADIVSAVRASSEPRAGKVLIRF

>RXN01653 TRANSLATE of: rxn01653.seq check: 1458 from: 1 to: 1461  
 MATAENTTQENRKILFNAFDMNCVAHQSPGLWTHPKDKARDYNTLDYVWHLAKTLEKGLF  
 DGLFIADVLTGYDVYSSNEAALSSGAQVPVNDPILLVSAMAYATKNLGFGITAGTAYEH  
 PYPFARRLATLDHLTNGRVGWNVTGYLPSAAQNMGDTDQLPHDERYDKADEYLEVIYKL  
 LEGSWEDDAVQNN TETS VFTDSSKVHAINHHGKYFDVPGIAITEPSVQRTPIYQAGASP  
 RGLKFAGENAEAVFINSSTVEAITKTIVAKIRAAVAAGRDPHAVKIFAMQTIITGETEAD  
 AQAKLEEYSRYIDPVGGTLMSGWTGADLSQYDLDEPITNIESNAIQSTAATISNGTGEG  
 AWTVRKLGEATGIGGFGPVLVGSGANVAELARIQDLSDVDGFNLAYAITPGTFEDVDF  
 VVPELQKLSRYKTEYAPGSLRNKLLGKGDRLLDTHRGASYRLGARNSTATIDLSSISAQL  
 VSQGAHS

>RXN01716 TRANSLATE of: rxn01716.seq check: 2732 from: 1 to: 486  
 EVTPEGFKEITRENTIVRLGKGV DATGQLDPEAIERTRVALENYVELMETHGVEAVRMVA  
 TSATRDASN RDEFFSMTRQLLSKIRPGYQAEVISGEEEEALLSFRGAIVDLPEDQGPFCVI  
 DLGGGSTEFIVGTYDGEILGSHSTQMGCVRLTERIMRSDPPD

>RXN01842 TRANSLATE of: rxn01842.seq check: 4367 from: 1 to: 918  
 MSKVYVSNEYGGPENQELITRNTQQPGPGELGVKVHAAGVNP LDWKVRSVGAGTPRELPA  
 PLGEEASGI VTA VGDGVEGFAVGDPVLGLVAPGVGGYAEDTLLVAESTVLKPEEISFTDA  
 AAIPVAGASAYAGTHQVELEPGQSLLINGAGGGVGLMAAQIGRVHKFQVVGVDHEDKREL  
 IESTGAI FVATGDAVAEQVRALLPDGVDVVF DLVGGEALRVVAPLAKNPAHVISAADAAT  
 VGELGGQVLRRTPEMVGQITGVVQYGLVDPKVDTTYPLEQAGKALAHVEQGHARGKIVLE  
 LITSQD

>RXN01849 TRANSLATE of: rxn01849.seq check: 9896 from: 1 to: 1101  
 MASQQIRYPFS AVVGQDELRLALILTAISPRIGGVVIRGEKGTAKTTTVRAFAGLLGDAP  
 LVNLP LGSTEDRVVGS LNMETVLT TGRAEYQPGLLAQADGGVLYVDEVNLLADHLVDALL  
 DAAASGRVSIERD GISHSSPANFVLVGT MNPEEGELRPQLLDRFGLAVDVAASTNPEVRV  
 EIIRRLDFENAPEQFMAKWAEQDADTSNRILAAKDLLPGVELPDLILS QIAWLCA RIEV  
 DGMRADLVI TRTALAHAAWAGRTVVTEEDVEIAARLALPHRRRRNPFDAPEMEERKLQET  
 LQEARDFFKDNE DKGPAAKITDEETGAEAFDTDNPTTEEDGLQGTAKAQT TGKVG TAG  
 SGDPFRS

>RXN01868 TRANSLATE of: rxn01868.seq check: 1336 from: 1 to: 1926  
 MKDLYREFVNGWL DTHIIPDDRAVDGTFHKL RDDAEEDVHEIVKEDTGRAGTLYASFMDT  
 DAINAAGVAPL DADLNRLSVANSSFFAAALGELDREGVGAPVGFVWEKDSSSNESVAYVI  
 QSGGLGLPDEAYYREEAHAETLAAYKEHVERMLGYLDNSRLFGLSAA SAAARIVALETEIA  
 AGHWDVVKTRDAVATYNPT ELGALPPKVRTLSSAGLPDQRLVSMMP SYLDHLNGLLVDD  
 RLPDWQLWATWHILRSRAGLLTEEISQANFDYFGTKLSGATEQKDRWKRAVGLAERMVGE  
 EIGQREFVERHF PASSKEHMLELVDYLVAAYDRDRISNLEWMT PATRERALEKLGKFNAKIG  
 YPDKWRSYEGLEFGSDLVDNSRKGS AFLHDYELGKIGKPAD RDEWVTTPTQTVNAFYNPVV  
 NDITFPAAILRAPFFDPEAEAAENFGAIGAVIGHEIGHGFDDQGSQYDGDGNLSWWTDE  
 DRSAFEQLTSRLVTQFSGLVPAVLTSEGIDTDGVNGEFTLGENIGDLGGLGI AVVAYE KY  
 LADRGQTFTESP VQKFEAEGAEGLAEQEENGLQRLFLSWARVWR TKIRPQMAVQYLAID  
 PHSPAEFRCNVIAGNVAEFYEA FVDPEDAPVYIKPEERLAIW

>RXN01885 TRANSLATE of: rxn01885.seq check: 4597 from: 1 to: 801  
 MTTKPIIPESTHSAERAGGHWILARLGKKVLRPGGRETTQF LLENLSLTGATVVEFAPGL  
 GVTARDILGKGPARYIGVDS DADACANVRAILPAGPHEVRNTNATDTGLES DSFDV VIGE  
 AMLTMQTDKHKLELMREAA RILKPGGLYGIHEL SLVPDNVSTAVKEDIAKALARS IKVNA  
 RPITVPEWAALAREAGFDVINIRQADMALLSLKRN LKDEGLKGVFTIVRNVISQPD LRKR  
 VLGMRKTFTEHKDHLGAVGIILQKRAQ

>RXN01923 TRANSLATE of: rxn01923.seq check: 3715 from: 1 to: 750  
 MSALIKGSGPHHVVLNGWFGHAAGWGA FADYLDLGNYTWHFWDYRGYGNRKDDAGEFTL  
 EEISADIVAYIDSIEAEKVSILGHSMGGVFMQKVLADSATPIASLVGISAVAAAGTPFDE  
 DSRKLFTSAGHNPD SRRAIIDFTSGSRQPAAWLDDLTDSAVQNSTPEAVEKYFFAWADCN  
 FAADLGTQDLPVDILTGD LDPAVTKTAVESA FGPIYQNL TVEELHDVGHYAI FEHPLGLA  
 ARVLRFLDAV

>RXN01963 TRANSLATE of: rxn01963.seq check: 1780 from: 1 to: 684  
 MKNRKKIMSTLT TVCAVLGIVAAHPFHASAVIGGSVPSTDSVANAVAKIGPGALNC SGVM  
 ISPSWALTARHCVD DINILGDIDTITPITPGIHRNEGNYMGEVYRAPSGDLALININGVH  
 KG TIAQLPTQEYPLGTAAQSVGFGGGGVNIRTAESVNMILTDIYSVRSGKFHHGVGRSHY  
 LLFDYDSAETGRIHKGDSGGPIFIGDEVV GIMSHGTINKNDGSFDDDES

>RXN01974 TRANSLATE of: rxn01974.seq check: 7604 from: 1 to: 1785  
 MTQVVAGTLVGESINREIDEDKYPYLSSYAAPVAVPVREIIGREEEVNKIMAALMRPEIS  
 NVMLVGPAGSGKTTLVQQALVKDPERNYIEVDVAKMVADLSTPAQMAARIKGVFEDAIAY  
 RKHEGHELVLVDFEFHQIVQLSNAAVEAIKPILAMSGVLGVRVIAATTLEEFHEHIRPNQ  
 ALTERLQEIRLTPTDQKTTVAILRGMADRYGVSDQFYDDHVFEQIYSTTERFMPSSVQPR  
 KSIRVLDAMVGWHRLSGKPMMDLLGDVLHDAIGVDIAFKVDGTSIKDKLDEKVMASLSA  
 TTVVARRLQLVVADLHDKSRPLSNFLFTGPTGVGKTELVKQLARVLFGDDTGRILIRFDM  
 EFALESSLDLFRSELTRRVADQGNAILLLDEVEKADRAIARLLLQVLDDGRLSDDYNREV  
 SFLNTYIVMTTANAGSEIFETISNYATDDTGDGRAIKDFVKNIHTSIKNKGFPPELLGRVD  
 EIVPFQPLSETTQDRIISKKLQDVATEVYERHGVKLHCSQKVMFLLVDQVEESAESGGA  
 RGAVRSLQREVTVTEVATFINTYPEVRDIYVDVDGQMRNKTNRVSTARVVIKRV

>RXN01993 TRANSLATE of: rxn01993.seq check: 8105 from: 1 to: 1128  
 MTLSEKLTITAKILPHPLNAWYVAAWDYEVTSKKPMARTIANKPLALYRTKDGRAVALA  
 DACWHR LAPLSKGKLVGTGDIQCPYHGLEYSAGRCMKMPAQETLNPSAAVNSYPVVEAH  
 RFVWVWLGDP TADPTQVPDMHQMSHPEWAGDGR TISADCNYQLVLDNLMDLTHEEFVHS  
 SSIGQDELSESEFVVTHTEDSVTVTRWMHDIDAPPFWQKNMNDKFPFGFEGKVDRWQIIHY  
 YYPSTICIDVGVAAGTGAQEGDRSQGVNGYVMNTITPDSRSSH YFWAFMRNYRLESQT  
 ITTQLRDGVSGVFKEDMDLTAQQDAIDANTDYE FYSLNIDAGGMWVRRILEEALSKGR  
 LDIP TTFPRATPKPEA

>RXN01997 TRANSLATE of: rxn01997.seq check: 5274 from: 1 to: 486  
 MTINEKIASAFNNQVTAELEASMYVLQLSYVLDLGLTGMRDWMKAQSKEELEHAQKFAQ  
 HLLDRDYTPQIGDIAPPKLDVTS AIEAFEASLAHEQKISGLIRELAAIQDAEKDYDSRAL  
 IDWFLNEQIEEEATVGEIIDRLRIAGDSGSGILRIDGELGSR

>RXN02001 TRANSLATE of: rxn02001.seq check: 4280 from: 1 to: 1158  
 MPVINSIASFSDEMTRWRRHLHQNP EISFDCVETAAAFVAEQLSFGVDEIHTGIAKTGII  
 ALIHGREAGPVVGLRADMDALPLTEITGV DYASTTPGKM HACGHDGHTTMLLGA AKYLAE  
 TRNFAGTVALIFQPAEENG GAGVMVDEGV LDRFAIAEVYALHNQ PGLPLGHFMTTAGPI  
 MAAVDTFDINITGRGGHGAKPHQTRDPIVA AVGIVQAFQTIVSRNHN PVEDLVSVTQIH  
 TGSADNII PETAYINGTVRTFNKDVQAMVITRME EIVAGQAAAYGVEATLTYNRNPATI  
 NDAAKAAIAAEVAGEVGLGVNPN GSRGMGAEDFSYFLEKRP GAYLFVGN GDSAGLHNPAY  
 NFNDEAAPYGASFLARMAERPLPLKG

>RXN02053 TRANSLATE of: rxn02053.seq check: 1600 from: 1 to: 579  
 MSLSVVEAITNRRATRKYTDEAPTPELIDKIVDLALEAPSAFNAQQREIVVITDPAQKQK  
 LYEASHQKQFLTAPVT FIAVARVENEPEDLEEILGTERAERVAGFINGRSIQQAREATLR  
 DASLAA AFLILAAQA EGLSTSP TTGWDEEKVKEAIGLGGREDRAIALVIATGFPNEQPEH  
 PGR LQNR RIDNSY

>RXN02146 TRANSLATE of: rxn02146.seq check: 3577 from: 1 to: 627  
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 VPGIDQWIPSLSSQAAPTAYAAVIDAPAAQA PAASTGQAIVDAARTKIGSPYWGATGP  
 NAFDCSGLTSWAYSQVGKSI PRTSQAQAAQGT PVAYS DLQAGDIVAFYSGATHVGIYSGH  
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>RXN02274 TRANSLATE of: rxn02274.seq check: 3347 from: 1 to: 1710  
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 TLVRDVIDPDTVITNVIVLDYTG VYKADVALRDGKIFRIGKAGNPVMENVDIVIGVATD  
 IIAGEGKILTAGGIDTHVHFLGTDQVNTALASGIT TMIGGGTGPSQASMATTVT PGQWNT  
 YNMLS AFEGMPMNF GILGKGHGSSKSPLAEQVRAGAIGLKI HEDWGATPSSINTALEVAD  
 DMDIQVALHSDTLNEAGFVEDTIEA IAGRVHTFHTEGAGGGHAPDLIRVAALPNVLPAS  
 TNPTLPYTRNTVEEHLDMMVVAHHLNPDIPEDVAFADSRIRAETIAAEDVLHDMGIFSIT

SSDSQAMGRVGETITRTWQVADHMKRTRGSLTGDAFYNDNNRLRRFIAKYTINPAIAHGV  
DYVVRSEEGKFADLVLDWPKFFGVKPDLVKGGMLMVNSLMGDSNGSIPTPQPRTLRNTW  
GAFGQAVSRSSITFLSQDAIDANVPDLLNLRKQIRGVRGVRNLTKRDMKLNAMPEMDIRVD  
PETYQVFVNGELITSKPAETVPMARRYFLF

>RXN02334 TRANSLATE of: rxn02334.seq check: 4801 from: 1 to: 723  
VKDLNDPLTRDFIDGEAFAELMNRKGIARDDTVVVGDKSNWAAFTLWVFELFGHSDVR  
LLNGGRDAWMAEERDTSYVVPPEYPSANYPVVERVDENQRAFVAEVLGSLTQSGGMTLV DV  
RTPSEFSGLDDEHGNPTSNTGVLRRGGHIPGAINLDWSDAVLPNGNFRTRAELDKLYADLNP  
ADDTVVYCQVGDRAAHTWFLVKYLLGFNNVRNYDGSWAEGWGMVRMPIETGENTKNNVSV  
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>RXN02478 TRANSLATE of: rxn02478.seq check: 2398 from: 1 to: 1215  
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ETEHRGVGDVCLVTGDLFCFHGLSNLAGFFEDPTDLEPRLARRDVSGWTSISMAYFADVD  
AAFASSGTGLVLADGRWIQSFVVRGREISLRILRSDGHITDIAGGNESAMTQLPSGRIV  
LHSRGVGHRLSSVSDDFGETFTPLEPVPPELIDPGCNGHVIFYWKAAGMLAATHLADPDLRR  
HLVVDLSSDEGATWAHRITIEREEAAYSTAAEMPNGDVAVVWEAEGTRAIKCTVISVNDI  
SLRIDEPISDAISLRHVVINDDHDGIEVALPDASQWGEVFKIVSNPDASTQKIRTRGKP  
ARQTLIEIGDELVFDIRKGEVAYGVTVPYDGRSLGEVKQDFGVGL

>RXN02508 TRANSLATE of: rxn02508.seq check: 3436 from: 1 to: 1854  
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QPFDRDFEGVEEEQFLKNLHRLEEKFKLMNRLGIEMILLCSNVGTATINDDDLFVEQLHRA  
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FNDSFRKAEVGRTAIDGLRSLRWLEDQTHALNAEDRPSALELRALPEVAEPEGVD FIEI  
ATGRLGETIRVLHQLGFRLLGGHCHSKQDYQVWTQGDVRIVVCDRGVTGAPTTISAMGFD  
PDPEAAHARAELLRAQTIDRPHIEGEVDLKG VYAPDGVELFFAGPSPDGMP EWLPEFGVE  
KQEAGLIEAIDHVNFAQPWQHFD EAVLFY TALMALETVREDEFPSPIGLVRNQVMRSPND  
AVRLLLSVAPEDGEGQDFLNAAYPEHIALATADIVAVAERARKRGLDFLPVPENYYDDVQ  
ARFDLPQEFDLTKENHLLYDRDENG EFLHFYTRTLGTLFFEVVERRGGFAGWGETNAPV  
RLAAQYREVRDLERGIPN

>RXN02513 TRANSLATE of: rxn02513.seq check: 7035 from: 1 to: 732  
MLPIWMGLPFFKAGALSRRKAVFSALGAAALMGALPTIPTAQQTPTGYGFDATASISE  
EPEFSTQQLADGGTLGFCYRIPSLGVAPNGNVLASWDGRPNNCSDAPQPN SIVGVKSTD  
NGATWGEQHDISAGITAEPKTGYSDPSIVVDWERGDVFNHVKSF DAGYFTSQPGTDPDD  
RNVAHVAYAKSSDNGSTWVADTVITDQVVAHDTWDSRFATSGNGIQLQYGAYKGRLVQPS  
VTRM

>RXN02530 TRANSLATE of: rxn02530.seq check: 7593 from: 1 to: 657  
MSTNYEAIIGAGQAGLAAAHLSRRGFTPGKDFLVLDSDNGPGGAWRHRWDSLTLGKAH  
GIADLPGLPMNRDPKTPASTLVAGYYGAYENEFSAVVRPVKVS RVEPTSEDPSPLRV  
SSDDGREWITRMVLNATGTWNTNYPYIPGIDKFGQKQLHTVNYRKAEDFKGKKVLVVG  
GLSAVQFLLELEGLAETTWATRRPRTYAARVRRRLGHCG

>RXN02565 TRANSLATE of: rxn02565.seq check: 9394 from: 1 to: 1266  
VNDLTPDSGQEIRNAESLERFFEGTPNVKITKLEPHPGRTSIIIVTVPGSDPD AEPLTLG  
HTDVVPVDLPKWKDPFGAEISDQGIWGRGSVDMLFITATQAAVTRQVAREGGLRGTLTF  
VGVADEEARGGLGAKWLSEEHQNLFSWKNCLESSEGGSHLPVHDGSDAVVINVGEKGAAQR  
RIHVNGDAGHGSIPFDRDSAIVKIGEVARRIAAADLKVAKDDIWQGFVQAH RFDPETEQA  
LLSGTSP EAYAEFGGLSRFAHAVSHLTIAQTVVVRAGQAINVLP SHAYLELDIRTLPGQTN  
DYVDDTLRAALGDLADEVEIEHLISEEATVSPTDSRLYNTLEKVLGDFFPDAPVVP IISS  
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LG

>RXN02589 TRANSLATE of: rxn02589.seq check: 3006 from: 1 to: 765  
 MSISDNSRDQLGELPAGRPLOSDFDNDLDYPRLGSVTFRRGTLTENQQTMWDEKWPELGR  
 VLEDELIDVDWFGREGAKTIVEIGSGTGTSTAAMAPLEADTNIVAVELYKPGKLAKLMGS  
 VVRGEIDNVRMVRGDGIEVLNRMFADGSLDGIRVYFPDPWPKARHNKRRIIQSGPLNLFA  
 KKLKPGGVLVHATDHADYAEWINELVEVEPLLEYKGWPWEECPQLTDRQVITKFEGKGLE  
 KDHVINEYLWQKVQN

>RXN02704 TRANSLATE of: rxn02704.seq check: 1921 from: 1 to: 1689  
 MTTGASKKPARPNTGAKTRTGLGIRERISGAWNDLLARPLTDYIMILCIVVILSCLGVVM  
 VYSSSMTWSLREGGSGVWGTAVRQGIMIVLGGFFAMWVALMTRPQTIRNLSNLILIVSIVLL  
 LAVQIPGIGTGKEEVGSQSWIALGPIQFQPSEIAKVAIAVWGAHYLAGKGPVQHWFNNHL  
 MRFGGVGAFMAFLIFMEGDAGMAMSFVLVVLFFAGIAMGWIAIAGVLIIAALAVLAL  
 GGGFRSSRFVEVYFDALFGNFHDVIRGIAFQSYQGFLSLADGSGLVGLGQSRKWFYLP  
 KNDIFIFAIIGEELGLWGGALVIALFAGLLYFGLRTAKKSHDPFLGLMAATLTASVVSQAF  
 INIGYVVGLLPVTGIQLPMISAGGTSAIITLASMGLLISCARHEPETVSAMASYGRPAID  
 RLLGLREPSSTLTTSNASLRSNKTKAAKQKPSPKESRDRFGEPVTARRAQAPRSGRAGV  
 QSEAPRRSTGSKVRSSGQDNRSNEGRTARSQSTTGGAADRSVDRSRQSRPTERRSESR  
 AMIGVTTATADKCEIRRTTNKDG

>RXN02707 TRANSLATE of: rxn02707.seq check: 464 from: 1 to: 1530  
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 KGAVAVLAAREVDVPAIVVPPVKIQESNADIYAHDPDGHGAAVVEALSRLARHVVDICVA  
 GHQLNVVAITGSAGKTSTKDFIATVLDQDGPVAPPGSFNELGLPHTALRCTTDTKYL  
 AEMSARGIGHIKHLTEIAPPRIAAVLNVGHAHLGFEFGSRENIAQAKGEIIEALPSKKTSS  
 VPVLNTDPFVARMAPRTKARVVWFTTDAGQAKKSDYWATSISLDAVARASFTLNTKDGSW  
 PVTLQVFGEHQVANALAAAIAEAGVAPELVVAGLEAHSAAHMDVKTRADGVTIIN  
 DSYNANPDSMRAGIAALAYTASGRSEATSWAVLGQMGELGDDASEAHAEELGAELAKYNVQ  
 ELVAVGENPNCAALAESASLVSTHVVSDVDALELLAGHIKRDDVVLVKASNADRLWR  
 VAEALHGMVPGKNTGGSVNDDSRNVEGQ

>RXN02723 TRANSLATE of: rxn02723.seq check: 9251 from: 1 to: 666  
 VNKKVIAIVGVVVVLVAILGVVAVFVPIKVGNIETGATRTYPDQVLEVSGIVEGKNL  
 FRVDATAAGQNIWELPWKSVTVNRALPSTITVELTEREPAVFIKRADGDHVIDTEGKEI  
 IIGTPPVGTVEVSGADEGNSEVLPAVIAVINAIIKAQDAQMTESIQQVVEAPDQFDILLKMN  
 DGREIYWGSSENNHDKAVAMSTVLKREGQRWNISFSMVTVR

>RXN02813 TRANSLATE of: rxn02813.seq check: 4724 from: 1 to: 999  
 VEAALAVAAPEHAAMAKATIDSYQLDVEELSRRAAEGGNPLIPLVTDLKAINPAGIHIG  
 ATSQDIIDSALMLCMKEGVGEVVDKLLKLARDLAELTAEHKATPIMGRTLQGIATPTTFG  
 ALTGGWLVAVDNAARALEALEFPVSYGASGNMTAVHPRGFEIQAKLAEELGLFDPQVWV  
 HSDRTPITAIASALATAAGVVRKIAGDVVFYSQTEVGELREKSPGGSSAMPHKANPAAAI  
 ACDGYARRAPGLLATLFDALDCRLQRGTGSWHAEWATLRELAAVTHSAVSRAATSIDGIT  
 VNVDVMASRVNGPTGHAEDLAERALEIYGKGRS

>RXN02820 TRANSLATE of: rxn02820.seq check: 6804 from: 1 to: 1311  
 MKVTQSTFLKSVAFTVAALTLTISSCSSGEDTSASSTDTENSSTQAAASPPLAPCELP  
 DASAEVEEGTHTGEDISVAPEIGTGYREGMTPVQTQGYAVATANPIASEAACAVLREGG  
 TAADALVTAQFVLGLTEPQSSGLGGGGYILYYDAEANAVIDGRETAPVAADENYLIHV  
 SAEDQTAPVPDARRSGRSIGVPGIVAALGQLHDSFGKTSWQDVLTTTQQLATDGFISPR  
 MSASIANSAEDLSHDPEAAAYFLDENGDAKAPGTLQNPDYAETIRLISEGGPDAFYTGE  
 IAADIVERATREVDGFTPSLMSTADLAAYTPETREALCAPYRDKIVCGMPSSSGGVTV  
 ETLGILNNFDLAQYPTEVGLDGGLPNAEAVHLISEAERLAYADRDAYIGDPAFVEVPAG  
 GVQQWINHVHTGEHSL

>RXN02839 TRANSLATE of: rxn02839.seq check: 5996 from: 1 to: 447  
 CVVNDYADRKFDGHVKRTANRPLPSGAVTEKEARALFVVLVLISFLLVLTNTMTILLSI  
 AALALAWVYPFMKRYTHLPQVVLGAAGWSIPMAFAAVSESVPLSCWLMFLANILWAVAY  
 DTQYAMVDRDDDDVKIGIKSTAILLANTIN

>RXN02908 TRANSLATE of: rxn02908.seq check: 6002 from: 1 to: 261  
 LKLHPEVLERAIAIDIKGVTAACVVGIPDPRLGQAIVAAYSGSISPSEVIEGLDDLPRWQL  
 PKRLKHLESLSIGPGKADRRRAIAKLF

>RXN02913 TRANSLATE of: rxn02913.seq check: 5023 from: 1 to: 486  
 MIPGEYILSSESALTGNVGREAKTIEIINTGDRPVQIGSHFHFAEVNPSISFDRSEGYGFR  
 LDIPSGTAVRLEPGDARTVNLVAIGGDRIVAGFRDLVDGPLEDLKVNVWEGREDGWRRSS  
 AAGDAPQELPQVEAAERGRKLDATDVTNVGTEEGFEEGRN

>RXN02937 TRANSLATE of: rxn02937.seq check: 1915 from: 1 to: 402  
 VISNGEGPVVALRGDIDALPMAERSGKEYAATGVTQVDNTTGQETPVAHTCGHDVHISSL  
 LGAVQAFNSHRELWNGTLMVAFQPAEETAAGARMADQDNAPGNHSPAFAPDMQPTLDRG  
 VEALVVAASAWLVK

>RXN02944 TRANSLATE of: rxn02944.seq check: 4495 from: 1 to: 678  
 VNAQNLIIDPEHSMGQATAGVSQNPVMAALPESGTSHISIIDSYGNAASLTTSVEAAFGSF  
 HFTRGFILNNQLTDFSAEPLDEDEGPVANRVESAKRPRSSMSPMLVFNASGDGEIADLNM  
 VLGSPGGSLIIQYVVKTLVNIIDWMDPQQAVSAPNFGAMNQPKTGLGSEHPLIANDSAE  
 LVSELESKGHEVNVGEQSSGLSALVKNGDTIVGGADPRREGVVLG

>RXN02952 TRANSLATE of: rxn02952.seq check: 9893 from: 1 to: 516  
 MSSPALDAKQRLAESDGLIAVTPVFTASYSGIFKMFFDVLDPKTIVGLPTIIAASAGTA  
 RHSLVLDHAIRPLFTYLRVVVPTGVFAATEDFGTEAGADIERRVNRAAGELATLMLQDY  
 SSVQGLGGATANQDADLSFRRTTGVTGENFSSFADLSQRTRRKRLNSRISV

>RXN02972 TRANSLATE of: rxn02972.seq check: 3943 from: 1 to: 411  
 VEIARDYVAERIQEVKAIVPISKAKTFVGCAGTFTTISAWVQGLESYDRDAIHLSALNFD  
 ALRVVTDEIIESSSSQRASNPFVVDPGRADVIGGSSVVVQAAIDLASKEAGVDYIIIEKD  
 ILDGLILGLVEADSLKK

>RXN02973 TRANSLATE of: rxn02973.seq check: 9389 from: 1 to: 654  
 VSDAGKKDSSKVEIGLTGRPLRELPEPSPLEKHGPATIIAMANQKGGVGKTTSTINLGAC  
 LAEAGRKVLLVDLDPQGALTAGLGIHYDDVDITVYDLMVDNNSTIDQAIHHTGLPDLVV  
 PANIDLSAAEIQLVNEVGREQTLARALRPVMKDYDFIILDQPSLGLLTVNALACAHGVI  
 IPMECENLSLRLGLALLTDTVEKVADRLNFDLEILGILV

>RXN02974 TRANSLATE of: rxn02974.seq check: 3965 from: 1 to: 195  
 MQDLYSDPGELKPGAQGGFSALIDGDTLVISGGDAGATPVAALRTALDVAWAATEQSPRY  
 ALIQR

>RXN03000 TRANSLATE of: rxn03000.seq check: 5213 from: 1 to: 567  
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 ILVTNAEAAGAKLHNGVLVTDSTVDGGIEVDIESSINKGEDNKTLVDAFLAFDGIHSV  
 MRKKLVDDA

>RXN03026 TRANSLATE of: rxn03026.seq check: 3330 from: 1 to: 267  
 MPGKILLNLPNLNMLGKREPDIYGHDTLEDVVALATAEAAKHGLEVEALQSNHQGELID

ALHNARGTHIGCVINPGGLTTLRWRFWML

>RXN03028 TRANSLATE of: rxn03028.seq check: 9204 from: 1 to: 2775  
 MFERFTDRARRVIVLAQEEARMLNHNHNYIGTEHILLGLIHEGEGVAAKALESMSGISLDAVR  
 QEVEEIIIGQGSQPTTGHIPTFPRAKKVLELSLREGLQMGHKYIGTEFLLGLIREGEGVA  
 AQVLVKLGADLPRVRQQVIQQLLSGYEGGQGGSPGGQGAAPTGGDAVGAGAAPGGRPSSGS  
 PGERSTSLVLDQFGRNLTQAAKDGLDPVVGDRDKEIERIMQVLSRRTKNNPVLIGEPGVG  
 KTAVVEGLALDIVNGKVPETLKDKQVYSLDLGSLVAGSRYRGDFEERLKKVLKEINQRGD  
 IILFIDEIHTLVGAGAAEGIDAASLLKPKLARGELQTIGATTLDYRKHIEKDAALERR  
 FQPVQVPEPSVDLTVEILKGLRDRYEAAHHRVSI TDGALTAAQALADRYINDRFLPDKAVD  
 LIDEAGARMRIKRM TAPSSSLREVDERIADVRREKEA AIDAQDFEKAAGLRDKERKLGEER  
 SEKEKQWRSGDLEDIAEVGEEQIAEVLANWTGIPVFKLTEAESSRLNMEELHKRIIGQ  
 DEAVKAVSRAIRRTRAGLKDPKRPSGSFIFAGPSGVGKTELSKALAGFLFGDDSLIQID  
 MGEFHDRFTASRLFGAPPGYVGYEEGGQLTEKVRKPFSSVVLFDIEIEKAHKEIYNTLLQV  
 LEDGRLTDGQGRIVDFKNTVLI FTSNLGTADISKAVGLGFGSGSSETDSDAQYDRMKNKVH  
 DELKKHFRPEFLNRIDEIVVFHQLTKDQIVQMV DLLIGRVSNALAEKDMSIELTEKAKDL  
 LANRGFDPVLGARPLRRTIQREIEDQMSEKILFGEIGAGEIVTV DVEGWGDGSKD TDRAK  
 FTFTPRPKPMPEGKFSEISVEAAEAIQDVDSAADGDVPETDSLSDIDLETLEKFEEDVEN  
 GTDIDQVSGDYYGTDDQGGTAPSKE

>RXN03036 TRANSLATE of: rxn03036.seq check: 4467 from: 1 to: 666  
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 AASSTSSASSSAAATTSAAAETLTEMKSETAGPYPGDG SNGPDVLEVSGVERQDITKSID  
 SDTVAEGVPLTLTMTILDMNNNNQPMEGAAVYVWHCDAPGRYSMYDSELEDETYLRGVQI  
 TDKYQVTFDTIFPGCYAGRWWHIHFVFPDRDSITDSTNNI

>RXN03077 TRANSLATE of: rxn03077.seq check: 553 from: 1 to: 1185  
 VMEIGVQVASWMDRHHDEVIKWRRHLHSHPELSHMEYRTTEYLASVLKDHGMEPHLFPGT  
 GLMVDIGPEGDSRLAFRADIDALP LLESTGLEFSSTATGVAHACGHDVHTVIALALACAL  
 NTIELPIGIRVIFQPAEEVMTGGATDVIAHGGLDGVDAIYAIHVEPKLVGRVGVVRAGAI  
 TSASDVIEIRVKGEGGHSARPHLSADVYALSKLVVDLPGLLSRRVDPRTGTVLVFGTIN  
 AGYAPNAIPDSGIVSGTLRTADISTWRDMRPLISELVEQVLAPTGVTHELIYNPGVPPVL  
 NDDVATALLASAARDMDTQSVVQAPQSSGGEDFSWYLEHVPGSMARLGCWPFGHGPKQDLH  
 QSDLVVDERAIGVGVRFLFGSLVQQYSSRSEAF LNS

>RXN03088 TRANSLATE of: rxn03088.seq check: 1646 from: 1 to: 387  
 MGQTRIISGDARGRKIEVPPAGTRPTSDRAREGLFSS LQVRFGFEGQRVLDIFAGSGALG  
 LEAASRGADVVVLVESNPKAVEVIRRNVDVVKHPRVTVAEMKASTYLASAPDKFFTMVLA  
 DPPYELATT

>RXN03091 TRANSLATE of: rxn03091.seq check: 9170 from: 1 to: 546  
 MLAKDSYTIKLTLDPDVQDAAHNAVSSHVDPTTPGVAEVVN VIEPGENS RDILAITSSRN  
 YGLDL DAGETMLPQATSRVGNAGSIFKI FTAAAIQQGAGLDTMLDVPSRYEVKMGMSG  
 GAANCPANTYCVENAGSYAPRMTLQDALAQSPNTAFVEMIEQVGVDTRCGSFSKAGPAKL  
 HR

>RXN03092 TRANSLATE of: rxn03092.seq check: 7622 from: 1 to: 885  
 VSTTNSLTKLVASTVAAGVLGALALVPFASLSGVAVARTNDTMQTNLSDLT DGRGPGVTT  
 ITDSTDQPIAYIYAQRREFVGGDQISTSMKDAIVSIEDRRFYEHDGVDLQGFGRAILTNL  
 AAGGVEQGASTINQQYVKNFLLLVEADDEAEQA AAVETSIPRKLREMKMASDLEKTL SKD  
 EILTRYLNIVPFGNGAYGVEAAARTYFGTSA AELTI PQSAMLGIVQSSSYLNPNYTNHDA  
 VFERRNTVLGAMADAGAI SPDEASAFQQEPLGVLET PQGLSNGCIGAGDRWFFLQ

>RXN03094 TRANSLATE of: rxn03094.seq check: 3583 from: 1 to: 1752

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SDAADLLTNKGATYDAIKEAFPSVRGSQRVTTQDPEGQFQALEKYSTDLTCLAREGKIDP  
VIGRDQEIIRRVVQVLSRRTKNNPVLIGEPGVGKTAIVEGLARRIVAGDVPESLKGKTLIS  
LDLGSVMVAGAKYRGEFEERLKAVLDEIKGANGEVVTFIDELHTIVGAGASGESAMDAGNM  
IKPLLARGELRLVGATTLINEYRKYIEKDAALERRFQQVYVGEPTVEDAIGILRGLKERYE  
VHHGVRIQDSALVAAAELSNRYITSRFLPDKAIDLVDAAASRLRMEIDSSPQEI DELERI  
VRRLEIEEMALSKESSDAASKERLEKLRSELADEREKLSSELKARWQNEKTAIDDVREMKEE  
LEALRSESDIAKRDGNYCRVAKLRYGRIPELEKQIEDAESKVEVNENAMLT EETVPTDITIA  
DVVSAWTGIPAGKMMQGETEKLNMERVVLGNRVVVGQLESGNCSV

>RXN03128 TRANSLATE of: rxn03128.seq check: 7599 from: 1 to: 855  
NGLAIPDIGFGVFQTPPDETRNSVNAALEAGYRHIDTAAAYGNEREVGEAIAASGIGRDE  
ITITETKIWVTDYGFEEETLHAFDKATGKLGVDTL DILILHQAVPSSFDRITIAAYKALEKLL  
FDGAVRAIGVSNFMPEHLDKLLETSIVPALNQIECHPYFQQRDVLARNEQLGILTQAWS  
PIGGITFYRDGQLPSTLENEVIAGIAAEVGKTPAQVMLRWHLQRRRHAI PKSVTPSRIVE  
NFEIFDFELSDEQLQQIDALNTDLRGGPEPENITMENYYREIPEA

>RXN03131 TRANSLATE of: rxn03131.seq check: 2811 from: 1 to: 273  
MTTSVPASTKALSVAGENPGLRIGTAPDSWGVWFPEDPKQIPWERFLYEVVKAGYTWIEL  
GPYGYLPTDANQLEDELGKRGLKLSAGTEFT

>RXN03133 TRANSLATE of: rxn03133.seq check: 1541 from: 1 to: 684  
VTCATPLTPPLLCHLNPRHAPLTDPHIDASRRHRGPFHATPSYAGFHPSFTDDTARMLGN  
LAKIGAVATWEKTLVDAASWAE LPHPPVIVGDTPPSTVTPDNAWYQFRVGKHLGRDAFAE  
IVMCLGHVFCHHVPQVWSTTCASQDADSTMLIEAETAGALAIARVGGPTRRGGSSFFGDA  
LLKEGTPLPAGFRLDVVLHAASEIEDLLRGDTTAVVSGAWSVEDRRGY

>RXN03145 TRANSLATE of: rxn03145.seq check: 4840 from: 1 to: 447  
MPTYTCWSQRIRISREAKQRIAEAITDAHHELAHAPKYLQVIFNEVEPDSYFIAAQSAS  
ENHIWVQATIRSGRTEKQKEELLRLTQEIALILGIPNEEVWVYIPEIPGSNMTEYGRLL  
MEPGEEEKWFNSLPEGLRERLTELEGSSE

>RXN03178 TRANSLATE of: rxn03178.seq check: 6627 from: 1 to: 801  
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KVNALAKELGTQDTFVATYSGLDAPGMST SAYDMSLIYQHAWQNPVFESIISTDHIDFPG  
WGDNEGQVWVNDNALFMNDPDGIGGKTGYTDDANHTFVGGLDRGGRRLAAVLLDSTVSDI  
RPWEQARLLIDASLPITPGSGVGQLGSGSANDVAPATPELPEPTDNLTSGEGGSQNTLLK  
LVVPIGIIVLLLLIAALAWTFRSPKKKN

>RXN02021 TRANSLATE of: rxn02021.seq check: 9962 from: 1 to: 948  
MSENIRGAQAVGIANIAMDGTILDTWYPEPQIFNPDQWAERYPLEVGTTRLGANELTPRM  
LQLVKLDQDRLVEQVAVRTVIPDLSQPPVDAHDVYLRLLHLLSHRLVLRPHEMHMONTLELL  
SDVVWTNKGPCLPENFEWVRGALRSRGLIHVYCVDR LPRMVDYVVPVPGVRISEAEVRIG  
AYLAPGTSVLREGFVSFNSGTLGAAKVEGR LSSGVVIGEGSEIGLSSTIQSPRDEQRRRL  
PLSIGQNCNFGVSSGIIGVSLGDNCDIGNNIVLDGDTPIWFAADEELRTIDSIEGQANWS  
IKRESGFHEPVARLKA

>RXC00110 TRANSLATE of: RXC00110.seq check: 7663 from: 1 to: 549  
VSNKDGLFTDGNSTFAPKVDSIPLSDVDTSVSGEASIGTLISNATSQMSSLFRAEVELAKTELAG EAKK  
AAIGGGAFSVAGVIALYSSFFFFFVAAALLSEWIKPWAAFLIVFLFMLVIAAALALFGWRKVKKMGAPK  
NTIQSVNQKLNLPVPGQASEKLEKANKRGLYTSASFHSPGAITGDH

>RXC01971 TRANSLATE of: RXC01971.seq check: 8803 from: 1 to: 831  
MSKKKPRPIPVPAQFIPGLIDAHTHLASCGGDLAGLVERAKEAGVEKLCTVGDGLAEAEALAEAAQQFG  
NVFAACAIHPTKADQLDGAARARLTQMAADPNCVAIGETGLDSYWIKHDPEDTAALDVQEEALRWHIDL  
AISADKPLMIHNREADADLMRVLADAPPPKDTILHCFSSPLDVAKEALDRGYVLSFAGNVTFKRNEELR

EAARIAPISQILIETDAPYMTPEPFRGSRNEPSLIGHTALCIAEVRGMAVEDVAAALNENFDRVYGVTN  
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>RXS00004 TRANSLATE of: RXS00004.seq check: 8907 from: 1 to: 471  
VLTQLIESSIFDNVASRESSEFLGHAAIDLLAGLVYEKATPYAPDEALRVAVYGYIRENLGSSQLTVAA  
VAGAHRIAVRTLHRLFEGEAYGVAELIRHLRLEAVYEDLRDPRQLNLTLAIGMRHGISSQAHLTRLFR  
AKYGVPPAEFRRGYINSAA

>RXS00156 TRANSLATE of: RXS00156.seq check: 311 from: 1 to: 1110  
MNERTSDAFDALLVLSFGGPEGHEEVRPFLENVTHGRGIPPERLDEVAVHYHHFGGISPINALNREIIA  
NVEKELASRDHKLVPYFGNRNWKPFDEAAEQMADDGVKNALVLATSAWGGYSGCRQYQEDIQGMIKHL  
ESQGQSITFTKLRFYDHPFVSTMAQLVQDSYAKLPDELRLDEARLVFTAHSIPLTADNAAAGTPEDGSL  
YSTQVKEASALIAEAVGVSDFDVWVQSRSGSPHTPWLEPDIVDHAVELNEKGQKALVVCPVGFISDHME  
VIWDLDELMEEAEKRNMVVERVATVGPTDEFAALVVDLIEEAELKRVIERLGKLPARGSSVNGAPCGD  
GCCGTAKHKHTARVNPNAASAAPAAAN

>RXS00166 TRANSLATE of: RXS00166.seq check: 9467 from: 1 to: 660  
VELARGFGRVLDVGAGTGKLTSELTADQVLALDPSMDMLRVFRSALPAVPCWQATAEHTGIRDNAVDLI  
TCAQTWHWVDVTAASAEFDRVIAPEGAVLLVWNNLDTSIAWVHRLSRIMHAGDVLKPGFTPETAAPWII  
DREIRTTWNQHLTPEEIIQLAHTRSYWLNASEKIKERVQDNLQWLYEHLGFSPDNPVELPYRCDAFLI  
SRSGTLAGRSSNL

>RXS00197 TRANSLATE of: RXS00197.seq check: 7429 from: 1 to: 1212  
VAAYLLGVVLFLLGIAVTIALHEWGHFITARIFGMKVRFFIFGFGPTVFAKRRGETVYGLKAI PVGGFC  
DIAGMTAQDELDPEDLPRAMYLKPWWQRIIVLSGGVIMNLIVGFLVLYGVAVSSGIPNPDVDTTATVDT  
VQCVPETQISATELSSCVGSGPAGDAGIEHGDKILAVNGQEMASFTAIRDAILELPGETATLTIEREGT  
LFDVDLQVASVTRLASDGSEITVGAVGMSSLPPTDVYKKGPIEGVGATARFTGDMISATWDGLKAFPA  
KIPGVVASIFGAERDVESPM SVVGAVRIGGEFVERSMWDMFMMMLASLNFFLALFNLVPLPLPDGGHIA  
VVIYEKIRDFFRKLGRKPAGGPADYTKLMPVTVAVAALLMTVGGLVIVADVNNPIRLFG

>RXS00288 TRANSLATE of: RXS00288.seq check: 2098 from: 1 to: 1011  
MSAQMDTPDPTMSAVAMLDSIPSDQPDFLIDVEVDRPTPGPHDLLVHIEAVSINPVDTKVRMRAGKQKH  
PKILGFDAAGEVVAVGSQVTLFNVGDKVYFAGSNQRPGSNAEYQVVDERLVGHAPQSLGAHDAALPLV  
ALTAWESLFDRLGVQTSTTGTLLVLGGSGGVPSALIQLARALTGLKVVATASRPESQEWVTKLGAHEVI  
DHSKDLSEQISDVDFVFSWTTGREVELATLMKPQSHLVLIIDPVDPNLGAFAKQKAIALHWEFMFTRAM  
FNTPDMGEQGKILNKIADMVDRGQFESVTATVLDGLNAANIMEGHRLEVEQGKTSKGIVVRV

>RXS00624 TRANSLATE of: RXS00624.seq check: 6054 from: 1 to: 687  
MSGRLLVSVSSIFDQTRSAADRLISDLRADGIEVSLVAPRIDGDWRLAKDKGTALWMEQQRRERGHILI  
LNGFDQAVQGRRSEFANLERHEARLRLTGAIQMQKIGFEFQIFAPPRWRMSEGTFVAVLPEFDFNVAAS  
TRGLHNLDTGFLACRNL SVGEGFGAAKWWRNVIKAVTRGAEGKNTVRLSASARNLTNPKVAADFREA  
ALAALDLGAQVQTYSQAAAQLA

>RXS00949 TRANSLATE of: RXS00949.seq check: 7131 from: 1 to: 648  
MKVFIIGAAGGIGNRLSSLLHARGDAVSGMHRNLEQASKITDTGATAVLGDLIHNSTEELAEFRGHDA  
IVFSAGAHGTGQENTTLIDGAGLRKAADAASAANVSRFILVSAPFESSRGENTTENFEHYMKVKKSA DV  
YLSHTDLDWVIVRPGVLQDEAGDGLVTAGLAINYGNVARDNVAAAFIDEALHQPQLSKIIVELTDGSTPV  
AEAVERLIK

>RXS01000 TRANSLATE of: RXS01000.seq check: 4854 from: 1 to: 846  
MSTLTSHRTVPAPSSPPARPNKLARNIVAIVAALIVLIATGTLKIEWNELPQMPAQVWHYLELMFSDPD  
WSKFGRVQEMWRSIAMAWLGAILCVVSVPLGMLAARGVGPYWLRTVLRVFAVIRAFPEVVIAIILL  
TVTGLTPFTGALALGISGIGQQAQWYEAIESTPTGPSEAVRAAGGTTPEVLRWALWPQVAPSIAFAL  
YRFEINIRTSAVLGIVGAGGIGSMLANYTNYRQWDTVGMLLIVVVVATMIVDLISGTIRRRIMKGA\$DR  
VVAPSN

>RXS01002 TRANSLATE of: RXS01002.seq check: 1757 from: 1 to: 804  
MNSDASATTNSWAINFDHVSVTYPNGTKALDDVSLTINPGEMVAIVGLSGSGKSTLIRTINGLVRATEG  
TVTGVPHQINTLKGKALRDARGQIGMIFQGFNLSSRSVFQNVLVGRFAHTAWWRNLLGFPTHEHKQIA  
FHALESVGIHLKVVTRAGALSGGQKQRVAIARALSQDPSVMLADEPVASLDPPTAHSMRDLNINNVE  
GLTVLVNLHLIDLARQYTTTLVGLRAGKLVYDGPISSEATDKDFEAIYGRPIQAKDLLGDRA

>RXS01003 TRANSLATE of: RXS01003.seq check: 6582 from: 1 to: 804  
 MTPPSSTLIPQKPRAGVKTYLIIGAIIVFTVATATPALGGIELDFASIAANWRNGANKLLQMLQPNFAF  
 LPRTWLPMLLETLMALVGAVLSAAVSVPLTLWAAQATNTSAIGRGIVRTIINVVRSVPDLVYATILVAM  
 VGVGALPGILTFLFLNLGIVVKLVSEIDSTEHPYMEAGRAAGGSQFQINRVSALPEVMPLFANQWLYT  
 LELNVRISAILGIVGAGGIGRLLDERRAFYAYADVSVIILEILIVVIVIEVISNALRKRLV

>RXS01114 TRANSLATE of: RXS01114.seq check: 9460 from: 1 to: 1224  
 MNPQDIVICSPRLTPVGGAYGGSFTGVPVEELATTVINAVEATGITGDDVDDLILGQASPNGAAPALGR  
 VVALDSKLGQNVPGMQLDRRCGSLQAIIVTAAAHVASGAADLIAGGAESMSRVEYTVSGDIRWGVKGG  
 DMQLRDLRLAEARETAGGRNHPIPGGMIETAENLRREYGISREEQDKISAASQQRWGKAADAGLFDDEIV  
 PVTVPKKRGQEPTIVSRDEHGRPGTTVEKLAALRPIMGRQDAEATVTAGNASGQNDGAAVIVTTRAK  
 AEEKGLRPVMRLAGWSVAAPPETMGIGPVPATKKVLDRLGLTLEDIGAIELNEAFAAQALSVLKEWNI  
 SWEDERNPLGSGISMGPVGATGARMVTLAHMQRENTQYGLATMCIGGGQGLAAVFEKEN

>RXS01205 TRANSLATE of: RXS01205.seq check: 7949 from: 1 to: 531  
 VSAYPPAIIAAALVGICAGVLPHNFEPSRIFMGDSGSMILIGLLAAASTSASGKINMSLYGAADFIALI  
 SPIIVVLAAVAIPLLDLVMAVVRVRGASPFSPDKMHLHHRLLSIGHTRRRVVLVLYTWASAVAFGAV  
 SFSVVPPLFATGSSICGILIAVAVTAVPVMKSRAAKLD

>RXS01223 TRANSLATE of: RXS01223.seq check: 5210 from: 1 to: 612  
 MTSVSFLSKIQALFAPKPELPAAKWLVVGLGNPGAKYESTRHNVGVMCQDMLIDAHQQQPLTPATGYKA  
 LTTQLAPGVLAVRSTTFMNHSGQGVAPIAAALGIPAERIIVIHDELDLPAGKVRLKKGGNENGHNGLKS  
 LTEELGTRDYLRVRIGISRPPAGMAVPDYVLEPVDHDQPGIELAAEAVDLLLAQGLSAAQNAIHSR

>RXS01269 TRANSLATE of: RXS01269.seq check: 7324 from: 1 to: 441  
 VVFEMIKFRTMLEPDEKHVTDEQRLTKVGKLLRETSLEDELPTLWNVFKGDMSLVGPRPLLVSYLEHYSS  
 EQARRHEVRPGITGLAQVNGRNQTTWDERLKLDEYVDRCSLKLDFKILIAITVKTVLSKKGISNEGHTV  
 MPSFIEERK

>RXS01421 TRANSLATE of: RXS01421.seq check: 1863 from: 1 to: 387  
 MTSKSSISGKRPNPLSLTGARWLAALAVYFLHALVFLSVYPFQQSELFATIHKFVPMQLGSAGVTFFFIL  
 SGFLIYWSNSQLKGMKNVLYYCKRRITKIYPMHLIALPMFIEASAKFTTTGITWVLILRE

>RXS01491 TRANSLATE of: RXS01491.seq check: 8146 from: 1 to: 651  
 MLDESLFPNSAKFSFIKTGDAVNLDHFHQLHPLEKALVAHSVDIRKAEFGDARWCAHQALQALGRDSGD  
 PILRGERGMPLWPSSVSGSLTHTDGFRAAVVAPRLLRSMGLDAEPAPLPLKDVLSIARVGEIPQLKR  
 LEEQGVHCADRLLFCAKEATYKAWFPLTHRWLGFEQAEIDLRRDDGTFVSYLLVRPTVPFISGKWVLRD  
 GYVIAATAVT

>RXS01572 TRANSLATE of: RXS01572.seq check: 5324 from: 1 to: 492  
 MGTVQIAAAKGAEVTVLSRSLRKAELAKELGAARTLATSDEDDFFTEHAGEFDFILNTISASIPVDKYLSL  
 LKPHGVMAVVGLPPEKQPLSFGALIGGGKVLTSNIGGIPETQEMLDCAKHGLGAMIEVGVNDVDAA  
 YDRVVAGDVQFRVVIDTASFAEVEAV

>RXS01642 TRANSLATE of: RXS01642.seq check: 4751 from: 1 to: 1242  
 MRRLIAVSLAALFMLASTPATRAQEVEALACPEVAIADPSSAVLDEHLSQSLSQAHQALATGAGVMVAVI  
 DTGVSHPRLPHLIPGGDFVGAHQSPDVPGEIDCDGHGTIVAGIIASQGNPGTGWPYDSSDPYIGVA  
 PDSGIISIKQTSSYVRTREDSNVGTLSTLAESIHRALDSGAHVINISVVSCLPQSPDEAASFQPLTDAL  
 NRAELQGVIVVAAAGNLGQDCPVGSTVYPASDSTVLSVSARFDSHTLAEYSMPGNQQILSAPSHIQAGL  
 SPRGDGFASHMITTAGESPFEGETSFAAPVVSATAALLRQHFPFATPYEIRARIFNSIDPARGAIDPYLA  
 LTQEIYPTTPLVHEIALSVPTPPDDSPRERGILVTAIIVGLLAVLAVLMGLRRIHHHSFAFQASSSVIT

>RXS01902 TRANSLATE of: RXS01902.seq check: 3503 from: 1 to: 1059  
 VQKKSRTGQTTWNGGPPIENPGTSFILSAGDQANHSSWDEHSAYISPETLRNYRLAVNNGNHDQYNYDA  
 YNAMYPRPNQVDENYFFEYNALFLSLDSNDYLDIDDDIAFLRDTVAAHGDDKDWIVLTYHHSTFSQAY  
 HMDDARIKYQRERLTPVISELNVDLVLGGHDHIYTRSHLMNGFTPVDAGREAVVGETLNPKAGEVVYLA  
 TNSSSGSKFYDFYDFQLGQRYDTGLDFQETVDQKKIRTYTAVWNQDQVQDYTNVELTPEGLTVTTKDAV  
 SGELVDQFTLSKQDRDEESEVPVEDDKDGDNATGSSNLGLAAILAPVLAIFGFVGGFLVGGGSLAEFFA  
 NLGVKMPF

>RXS02453 TRANSLATE of: RXS02453.seq check: 9678 from: 1 to: 753  
 MKSIFISGAANGIGKAVALKFLHEGWLVGAYDLAEITYSHPNLRWGYLNVRQSESWDKALEDFAHTTGG  
 TIDVVDNNAAGVIEGPLQDAEEGSVDKLLAINVNGVTLGARAHPYLARTPGAQLLNMSASAVYGQPO  
 IAVYSASKFYVAGLLEALNLEWRKDDIRVVDVWPLWAKTDLVNGVKAKSLKRLGVRLTPEQVAQAVWDA  
 VHPKSRWAKGKVHGVSKLKDALYLMKSLSPDRVAMCFARLIAG

>RXS02474 TRANSLATE of: RXS02474.seq check: 7789 from: 1 to: 774  
 MSKVAMVTGGAQGGIGRGISEKLAADGFDIAVADLPQQEEQAAETIKLIEAAGQKAVFVGLDVTDKANFD  
 SAIDEAAEKLGGFDVLVNAGIAQIKPLLEVTEEDLKQIYSVNVFSVFFGIQAASRKFDLGVKGKIIN  
 AASIAAIQGFILSAYSTTKFAVRGLTQAAQELAPKGHTVNAYAPGIVGTGMWEQIDAELSKINGKPI  
 GENFKEYSSSIALGRPSVPEDVAGLVSFLESENSNYITGQVMLVDGGMMLYN

>RXS02485 TRANSLATE of: RXS02485.seq check: 7602 from: 1 to: 1101  
 LDSSLAQEIAAIDGVELDSEVTFADLTTLRIGGKPRSAVRCQTTEALVSAIKLLDDASLPLLVGGGSN  
 LVVADGDLVDVIAVIIETDDVSINLTDGLLTADAGAVWDDVHLSVDAGLGGIECLSGIPGSAGATPVQN  
 VGAYGTEVSDVLTRVQLLDRTHQVSWVDASELDLSYRYSNLKFTNRAVVLAIQLLLDGLSAPLRF  
 ELGRRLAISEAEPHPRRPVRMVRDAVLELRRAKGMVVEHTDHTWSAGSFFTNPVDPALADAVFEKVG  
 EPTMPRFPAGDGKEKLSAAWLIERAGFKKGHPGAGAKASLSTKHTLALTNRGDARASDLVALAKEIRDG  
 VLETFGVTLVPEPVWIGISIDD

>RXS02539 TRANSLATE of: RXS02539.seq check: 6480 from: 1 to: 1518  
 MTVYANPGTEGSIVNYEKRYENYIGGKWVPPVEGQYLENISPVGTGEVFCVARGTAADVELALDAAHAA  
 ADAWGKTSVAERALILHRIADRMEEHLEEIAVAETWENGKAVRETAAADIPLAIDHFRYFAGAIRAQED  
 RSSQIDHNTVAYHFNEPIGVVGQIIPWNFPILMATWKLAPALAAGNAIVMKPAEQTPASILYLINIIGD  
 LIPEGVLNIVNGLGGEAGAALSGSNRIGKIAFTGSTEVGKLINRAASDKIIPVTLELGGKSPSIFFS  
 LSQDDAFAEKAVEGFAMFALNQGEVCTCPSRALVHESIADEFLELGVKRVQNIKLGNPLDTETMMGAQA  
 SQEQMDKISSYLKIGPEEGAQTLTGKGVNKVDGMENGYIEPTVFRGTNDMRIFREEIFGPVLSVATFS  
 DFDEAIRIANDTNYGLGAGVWSRDQNTIYRAGRAIQAGRVWVNQYHNYPAHSAFGGYKESGIGRENHLM  
 MLNHYQQTKNLLVSYPNPTGLF

>RXS02554 TRANSLATE of: RXS02554.seq check: 9544 from: 1 to: 624  
 MSHTKPSIAILGAGRVGSSSLARSABAAGYEVKVAGSGAVDKIALTAELMPGAVPSTADQAVKDADIVF  
 LAVPLHKFRSVNPATLEGKIVIDTMNHWPVNGELEEDQDPRSTSEIIAEFFAGSTMVKSFNHIGYHE  
 IEQDAGTGRAIAYATDDVDAGAQAQLIKSFGFVPLNIGALENGRILEPGQEAFAHLNKDSRLELVNQ  
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>RXS02560 TRANSLATE of: RXS02560.seq check: 4626 from: 1 to: 867  
 MQGNSLNLADNSERKKPMPSPGELLAARYGQPATWTPPQWNETLDVIHQHRSVRRWLDKPVDDDTIRTI  
 ISAAQSAGTSSNKQVISVIVVKDPELRKGLAGITRQMFPHLEQVPAVLIWLIDYSRISAVAAREDLPTG  
 ALDYLDEAAWGFLDAGIAAQNAIAAESLGLGLTLYLGSVRNDAEAVHKLGLLGLPPEIVPVVGLMGHADP  
 PEPAGIKPPLPQEAIVHWDITYTEKNLELIDSYDRALDITYSRYGQHQLWSKQTAHRAASKSFSKTNRQF  
 LRGVFERAGFGLR

>RXS02578 TRANSLATE of: RXS02578.seq check: 8723 from: 1 to: 1104  
 MSTQSYAPIRHRGFISSLEGLRAIASLGVLAHVAFQTSVDPASNIGAVLARFDFFVAVFFALSFAVLW  
 RRRAGQPVGLYYLKRLARIMPAYWATVIAVLLFIPTGPWLANLTMTQIYWPDLMTGLTHLSLVEVA  
 FYLVMPLLAWVLDLRFGRPVRIILLIVGGAVLSLAWPWIPLVEHALDEGWANMQIWPPAYACWFAVGMIAA  
 EIEGVRFPVPSPFVWVGLALVVAWIAGQEWFGPLGLVHPSPWEFNLRLVLAGTLFAVFLVVPYALGTPSR  
 LLDSSWMKTLGTWSYSIFLWHLPLVLTIVFPLGLPLFSGNFLLVFIVTVLLTIPVAAISYTFIEEPISG  
 GPGAPFRLGVVRIHHFSGGRSGK

>RXS02741 TRANSLATE of: RXS02741.seq check: 3647 from: 1 to: 966  
 MKAILVSRTGGPEVLEFTDTPAPKPTDDQVLVEVDMAGVNFIDTYRQGEYHARLPFIPGFEGTGRVLE  
 DPQGLIAAGTKVAWCDAMGSAQQVCVPRDLVAVPEGVSSEVAASMLMQGITAHYLTNGVYEEEGDS  
 CLITAGAGGVLLATQMAAAKGVVYSVVSTDEKAELALDAGAYEVFRYSNLAEQVRRHNGGRGVDDV  
 YDGVGQSTFNESLEAVRPRGTVCFLGAASGPVEFPDQLLNTHGSIFLTRPSIGAWTSEEGEFAKRAQA  
 VTQAIVEGTLRVRVTGTYSLADAYIAHRDLQARSTSGSLVLEIPKD

>RXS03058 TRANSLATE of: RXS03058.seq check: 2459 from: 1 to: 483V

SKLKGSRSLLDVGSGDHSFADLAGRQVAHVVDVVDPLINTTFEEFQPTQSYDAITFIASLHHMNAEEGLN  
KAVRILNPGGKLLIVGLAKNKTASDWIISGLQAFLSRPISLINREQQIYPFPTKEPSESLHEIRQLTKQ  
LLPHRRIRRGIFRYLLEWTKP

>RXS03061 TRANSLATE of: RXS03061.seq check: 2307 from: 1 to: 330V  
SLTFPVINPSDGSTITELENHDSTQWMSALS DAVAAGPSWAAKTPRERSVVLTAIFEALTERAQELAEI  
IHLEAGKS DAEALGEVAYGA EYFRWF AEEAVRLPGRYGQS

>RXS03119 TRANSLATE of: RXS03119.seq check: 3185 from: 1 to: 132  
MAVYELPELDYAYDALEPHIVAEIMELDQSKDHATYVAGANAAL

>RXS03120 TRANSLATE of: RXS03120.seq check: 209 from: 1 to: 126  
MLDMWEHAFYLQYMNVKADYVKAVWNVFNWDDARARFAAASK

>RXS03150 TRANSLATE of: RXS03150.seq check: 9986 from: 1 to: 624  
VEAQFTSPLLNNGQTCFLGTRILAPKSR YAEVVDAFTAFAGSLQVGVTSSPDTQIGPMATARQRRERVES  
YISQGKNAGARITVGGSRPRDL DAGFFVEPTVFADVDNR AAI AQDEIFGPVPSVVS YQDDEHAIQLAND  
SEFGLGGTVWTS DPERGAALARRVHTGTIGINRYIPDPAAPFGGVKNSGLGRELGPEGLASYQETQTIY  
L

>RXS03218 TRANSLATE of: RXS03218.seq check: 4671 from: 1 to: 837  
MTPDLAAFLDKLYAEGQEFDAEQPDRLDRRRNLESESAALLRSLIYGISPKSVLELGT SNGYSTIWMAD  
VVNLTTVDNDPERSLDAAANLRAAGVEEKVQRIVADGATVLADSADEQWDFIFLDAEQSLYVNWWPDLO